

Natural Gas Monthly

September 2001

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly* (*NGM*) is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Margaret Natof (202) 586-6303. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
Btu	British Thermal Unit	MMcf	Million Cubic Feet
DOE	U.S. Department of Energy	MMS	United States Minerals Management Service, U.S. Department of the Interior
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEo	Short Term Energy Outlook
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion Cubic Feet
LNG	Liquefied Natural Gas		

Contents

Highlights	1
Appendices	
A. Explanatory Notes	71
B. Data Sources.....	77
C. Statistical Considerations.....	83
D. Articles, Special Focuses and Special Reports	89
E. Technical Contacts.....	91
Glossary	93

Tables

1. Summary of Natural Gas Production in the United States, 1995-2001.....	5
2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001.....	6
3. Natural Gas Consumption in the United States, 1995-2001.....	8
4. Selected National Average Natural Gas Prices, 1995-2001	10
5. U.S. Natural Gas Imports, by Country, 1995-2001	12
6. U.S. Natural Gas Exports, by Country, 1995-2001.....	14
7. Marketed Production of Natural Gas, by State, 1995-2001	15
8. Gross Withdrawals and Marketed Production of Natural Gas by State, May 2001.....	18
9. Underground Natural Gas Storage - All Operators, 1995-2001	19
10. Underground Natural Gas Storage - by Season, 1998-2001.....	21
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001	22
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001	23
13. Net Withdrawals from Underground Storage, by State, 1999-2001	24
14. Activities of Underground Natural Gas Storage Operators, by State, July 2001.....	28
15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001	29
16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001	33

17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001.....	37
18. Natural Gas Deliveries to Electric Utility Consumers, by State, 1999-2001.....	41
19. Natural Gas Deliveries to All Consumers, by State, 1999-2001.....	45
20. Average City Gate Price, by State, 1999-2001.....	49
21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001.....	52
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001	55
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001	58
24. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 1999-2001.....	61
25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001	64
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data.....	71
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, June 2001	88

Figures

1. Production and Consumption of Natural Gas in the United States, 1998-2002	7
2. Natural Gas Deliveries to Consumers in the United States, 1997-2001	9
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1997-2001	11
4. Average Price of Natural Gas in the United States, 1997-2001	11
5. Working Gas in Underground Natural Gas Storage in the United States, 1998-2001	20
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001	70

Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through September 2001 for many data series at the national level. National-level natural gas prices in 2001 are available through May (electric utilities), June (residential, commercial, and industrial), or August (wellhead). State-level data generally are available through June 2001, although underground storage data are available through July 2001.

The Energy Information Administration's expectations for natural gas and other fuels for the coming heating season (November through March) are presented in the *Winter Fuels Outlook: 2001/2002* released on October 4. The full report is posted to the EIA website at: <http://www.eia.doe.gov>.

Highlights from this issue of the *Natural Gas Monthly* are:

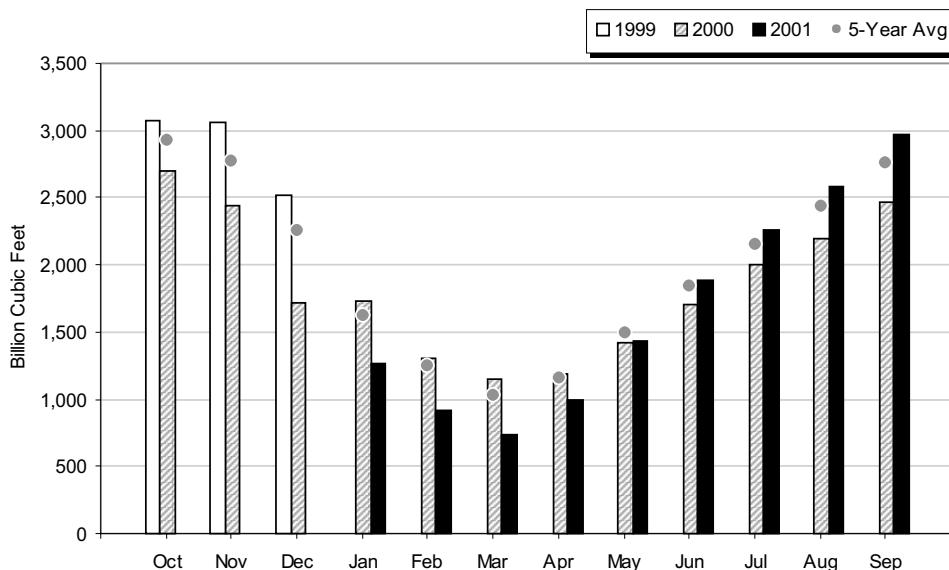
- Dry natural gas production for January through September 2001 is estimated at 14,490 billion cubic feet or 53.1 billion cubic feet per day. This rate is 2 percent higher than in the same period of 2000. Net imports of natural gas for January through September 2001 are estimated at 2,752 billion cubic feet or 10.1 billion cubic feet per day. This rate is 7 percent higher than in the same period of 2000.
- The industry has been aggressively refilling storage facilities during the past several months. Since the end of March, an estimated 2,232 billion cubic feet has been added, which is 43 percent above the previous 6-year average refill rate and a record for the period. EIA estimates that at the end of September, working gas stocks were 2,974 billion cubic feet or about 8 percent above the 6-year average.

**Table HI1. Natural Gas Production, Net Imports, and Consumption by End-Use Sectors
(Billion Cubic Feet per Day)**

Supply and Consumption	1999	2000	2001
	<i>January through September</i>		
Selected Supplies			
Dry Production	51.3	52.0	53.1
Net Imports	9.3	9.4	10.1
End-Use Consumption			
Residential	12.7	12.3	13.2
Commercial	8.3	8.4	9.0
Industrial	24.1	26.1	25.2
<i>January through June</i>			
Electric Utilities	7.6	7.7	6.5

Sources: Derived from Tables 2 and 3.

Figure HI1. Working Gas in Underground Storage in the United States, 1999-2001



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1996 to 2000 while the January average is calculated from January levels for 1997 to 2001. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

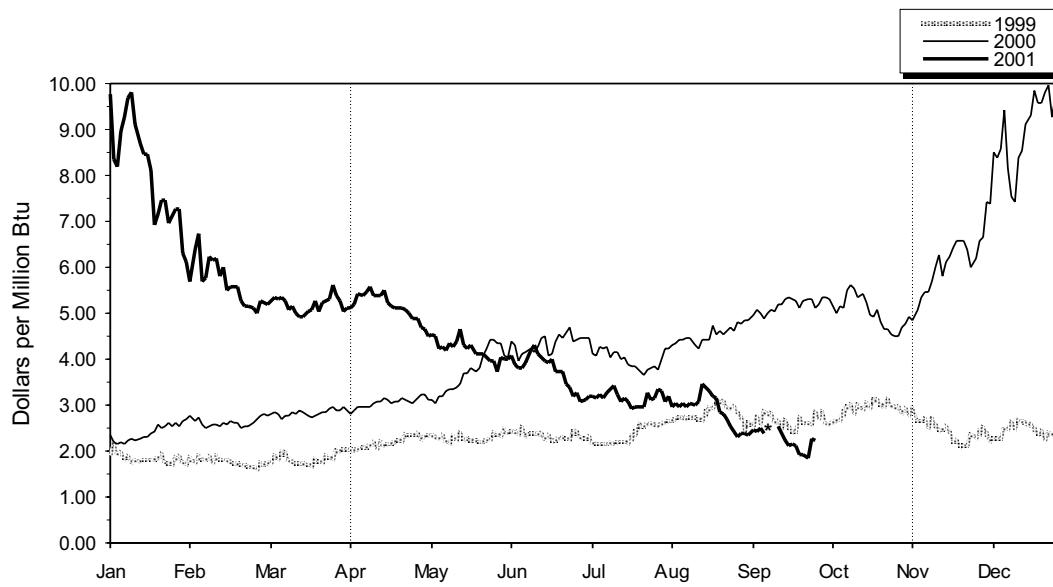
Source: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

- Residential natural gas consumption in the first three quarters of 2001 is estimated at 3,614 billion cubic feet or 13.2 billion cubic feet per day (Table 3 and Table HI1). This 8-percent increase relative to 2000 was largely driven by colder temperatures in early 2001 compared with 2000. At the national level, heating degree days during the first quarter of 2001 were higher than in 1999 and, in particular, March 2001 had 32 percent more heating degree days than March 2000. Industrial and electric utility natural gas consumption are both down from levels in 2000, reflecting both higher natural gas prices in 2001 and the greater ability of these sectors to use alternative fuels.
- Gas utilities and end users paid significantly more for natural gas during the first half of 2001 compared with 2000. The average city gate price for January through June 2001 is estimated at \$7.10 per thousand cubic feet. This is the national average price paid by local gas distribution companies, and it is \$3.40 or 92 percent higher than what they paid during the first half of 2000. For the same months, the average residential price is estimated at \$10.21 per thousand cubic feet for 2001, \$3.34 or

49 percent higher than in 2000. Electric utilities paid an estimated average of \$6.34 per thousand cubic feet for January through May 2001, \$3.17 or 100 percent higher than in the same period of 2000.

- The average natural gas wellhead price for January through August 2001 is estimated to be \$4.92 per thousand cubic feet, \$2.00 or 68 percent higher than for the same period in 2000. However, the wellhead price has generally fallen throughout the year, from a high of \$8.06 per thousand cubic feet in January 2001 to \$3.23 per thousand cubic feet in August 2001.
- Natural gas futures prices on the New York Mercantile Exchange (NYMEX) for delivery at the Henry Hub have fallen far below the range of \$8 to \$9 per million Btu seen in January 2001 (Figure HI2). The settlement price on the contract for October 2001 delivery was \$1.910 per million Btu on September 24, 2001. This is first time the settlement price on the near-month contract has fallen below \$2 since March 1999. The October contract closed at \$1.830 per million Btu on September 26. The November contract settled at \$2.244 on September 28, its second day of trading as the near-month contract.

Figure HI2. Daily Futures Settlement Prices at the Henry Hub



* = New York Mercantile Exchange closed from 9/11/01 through 9/13/01.

Note: The futures price is for the near-month contract, that is, for the next contract to terminate trading.

Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Gas Daily and Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	2,064	296	54	21	1,693	84	1,609
February	1,878	280	49	19	1,531	76	1,455
March	2,070	298	51	20	1,701	84	1,616
April	1,964	274	50	20	1,620	80	1,540
May	1,984	255	53	20	1,657	82	1,574
June	1,945	262	48	20	1,615	80	1,535
July	1,988	253	52	21	1,663	83	1,580
August	1,984	263	50	21	1,651	82	1,569
September	1,931	265	50	23	1,594	79	1,515
October	2,012	286	53	21	1,653	82	1,571
November	1,953	282	49	20	1,601	79	1,522
December	1,982	293	52	20	1,618	80	1,537
Total	23,755	3,305	610	245	19,596	973	18,623
2000							
January	E2,065	E313	E54	E23	E1,675	E83	E1,592
February	E1,935	E298	E45	E21	E1,571	E78	E1,493
March	E2,083	E301	E45	E23	E1,715	E85	E1,630
April	E2,007	E305	E46	E22	E1,634	E81	E1,553
May	E2,066	E304	E46	E22	E1,694	E84	E1,610
June	E1,989	E274	E45	E22	E1,648	E82	E1,566
July	E2,044	E275	E46	E22	E1,701	E85	E1,616
August	E2,058	E277	E46	E23	E1,711	E85	E1,626
September	E1,977	E270	E45	E22	E1,640	E82	E1,558
October	E2,097	E308	E47	E23	E1,719	E85	E1,634
November	RE2,045	E304	RE48	E23	RE1,671	E83	RE1,588
December	RE2,113	E316	RE50	E24	RE1,723	RE86	RE1,638
Total	RE24,479	E3,543	RE564	E270	RE20,102	RE999	RE19,103
2001							
January	RE2,122	RE315	RE43	E24	E1,740	E86	E1,653
February	RE1,926	RE288	RE41	E22	E1,576	E78	E1,498
March	RE2,138	RE334	E42	E23	E1,739	E86	E1,653
April	RE2,041	RE304	RE39	E22	E1,676	E83	RE1,593
May	RE2,099	RE298	RE40	RE23	RE1,737	RE86	RE1,651
June	RE2,064	RE308	RE40	E22	E1,694	E84	E1,610
July	E2,076	E305	E40	E23	E1,709	E85	E1,624
August(STIFS)	NA	NA	NA	NA	E1,712	E85	E1,627
September(STIFS)	NA	NA	NA	NA	E1,665	E82	E1,583
2001 YTD	NA	NA	NA	NA	E15,248	E757	E14,490
2000 YTD	E18,224	E2,616	E420	E200	E14,989	E745	E14,244
1999 YTD	17,808	2,444	456	184	14,724	731	13,993

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998 Total	18,708	102	2,993	-530	-11	21,262
1999						
January	1,609	10	298	659	-35	2,542
February	1,455	8	273	339	61	2,137
March	1,616	9	286	314	-46	2,178
April	1,540	8	258	-96	87	1,797
May	1,574	8	277	-358	11	1,513
June	1,535	6	268	-327	-49	1,433
July	1,580	8	283	-231	-103	1,536
August	1,569	8	299	-236	-60	1,580
September	1,515	7	290	-335	-12	1,464
October	1,571	8	294	-165	-124	1,584
November	1,522	8	287	34	-130	1,721
December	1,537	10	308	573	-216	2,212
Total	18,623	98	3,422	171	-612	21,703
2000						
January	€1,592	€10	308	780	€-161	€2,529
February	€1,493	€9	279	454	€124	€2,358
March	€1,630	€8	286	162	€-9	€2,077
April	€1,553	€7	277	-36	€2	€1,803
May	€1,610	€7	268	-232	€-2	€1,651
June	€1,566	€6	280	-272	€-52	€1,528
July	€1,616	€8	303	-290	€-89	€1,547
August	€1,626	€8	298	-193	€-64	€1,675
September	€1,558	€7	284	-282	€-70	€1,498
October	€1,634	€8	301	-227	€-125	1,591
November	€€1,588	€9	305	293	€-276	€1,918
December	€€1,638	€10	349	690	€-96	€2,590
Total	€€19,103	€98	3,538	845	€-819	€22,765
2001						
January	€€1,653	€10	345	467	€176	€2,650
February	€1,498	€8	301	338	€160	€2,304
March	€1,653	€9	324	181	€53	€2,219
April	€€1,593	€7	€273	-276	€178	€1,774
May	€€1,651	€6	€295	-448	€-12	€1,493
June	€1,610	€6	€286	€-422	€-97	1,384
July	€1,624	€8	€307	-376	€9	€1,571
<i>August(STIFS)</i>	€1,627	€8	€322	€-323	€-33	€1,601
<i>September(STIFS)</i>	€1,583	€8	€299	€-390	€-1	€1,498
2001 YTD	€14,490	€69	€2,752	€-1,250	€431	€16,494
2000 YTD	€14,244	€71	2,583	90	-321	16,666
1999 YTD	13,993	72	2,533	-271	-148	16,180

^a Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1995 through 1999 include underground storage and liquefied natural gas storage. Data for January 2000 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

^E Estimated Data.

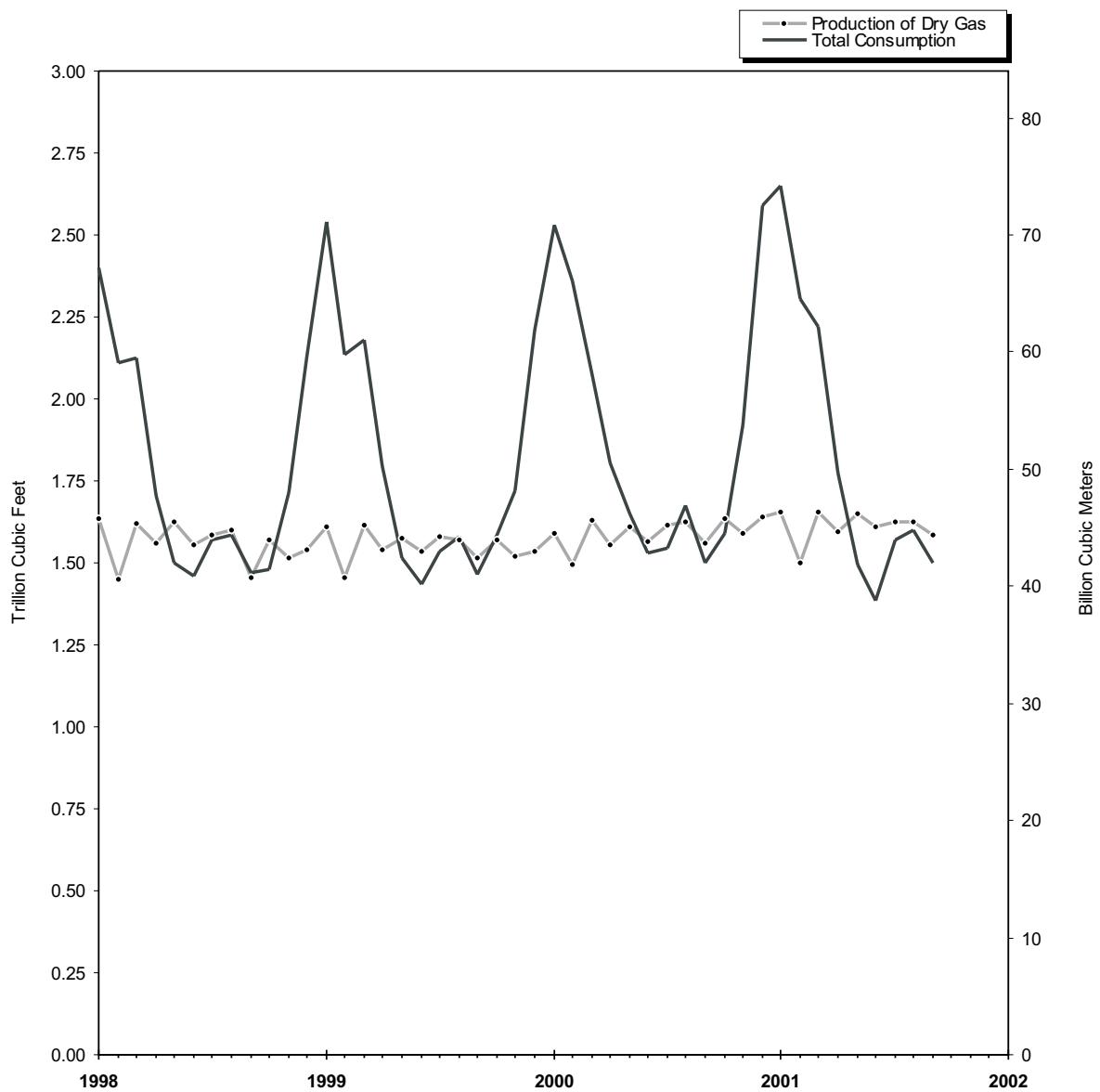
^{RE} Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, "Natural Gas Imports and Exports." See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1

Figure 1. Production and Consumption of Natural Gas in the United States, 1998-2001



Source: Table 2.

Table 3

Table 3. Natural Gas Consumption in the United States, 1995-2001
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998 Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	93	87	911	477	797	176	2,361	2,542
February	85	73	690	401	739	149	1,979	2,137
March	94	74	669	390	747	204	2,010	2,178
April	89	61	420	260	713	254	1,647	1,797
May	90	51	235	177	690	270	1,372	1,513
June	88	48	158	144	673	322	1,297	1,433
July	91	52	127	133	701	434	1,394	1,536
August	90	53	116	137	750	432	1,436	1,580
September	88	49	135	138	772	283	1,327	1,464
October	91	53	234	181	785	240	1,440	1,584
November	88	58	372	246	785	172	1,574	1,721
December	90	76	660	363	849	176	2,047	2,212
Total	1,077	735	4,726	3,050	9,001	3,113	19,890	21,703
2000								
January	E92	86	860	459	R843	R190	R2,352	R2,529
February	E86	80	778	433	R814	167	R2,192	R2,358
March	E94	70	549	363	R792	208	R1,912	R2,077
April	E90	61	400	263	R775	215	R1,652	R1,803
May	E93	56	229	185	R779	309	R1,502	R1,651
June	E91	52	154	152	R772	R307	R1,385	R1,528
July	E94	52	127	142	R759	R373	R1,401	R1,547
August	E94	57	121	155	R837	R410	R1,524	R1,675
September	E90	51	140	153	R780	284	R1,357	R1,498
October	E95	54	234	186	R810	R213	1,442	1,591
November	RE92	65	R480	294	R807	R180	R1,761	R1,918
December	RE95	88	R905	474	842	187	R2,408	R2,590
Total	RE1,106	R771	R4,976	3,259	R9,610	R3,043	R20,888	R22,765
2001								
January	RE96	90	987	R528	R793	157	R2,465	R2,650
February	E87	78	794	451	R751	143	R2,139	R2,304
March	E96	75	690	395	R791	171	R2,048	R2,219
April	E92	60	R410	R274	R727	211	R1,622	R1,774
May	E96	R51	R214	R200	R697	235	R1,347	R1,493
June	E93	47	150	169	665	261	1,244	1,384
July(STIFS)	E94	E55	E123	E152	E793	NA	E1,422	E1,571
August(STIFS)	RE94	RE56	E114	RE148	RE833	NA	RE1,451	RE1,601
September(STIFS)	E92	E51	E131	E150	E819	NA	E1,355	E1,498
2001 YTD^d	839	562	3,614	2,467	6,869	1,178	15,092	16,494
2000 YTD^d	824	564	3,358	2,305	7,151	1,395	15,277	16,666
1999 YTD^d	808	548	3,461	2,255	6,582	1,376	14,824	16,180

^a Plant fuel data and monthly lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Deliveries to Commercial consumers for 1995-1999 include vehicle fuel deliveries, which totaled, in billion cubic feet, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, and 5.7 in 1999.

^d Year-to-date volume represents months for which volume information is available in the current year.

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

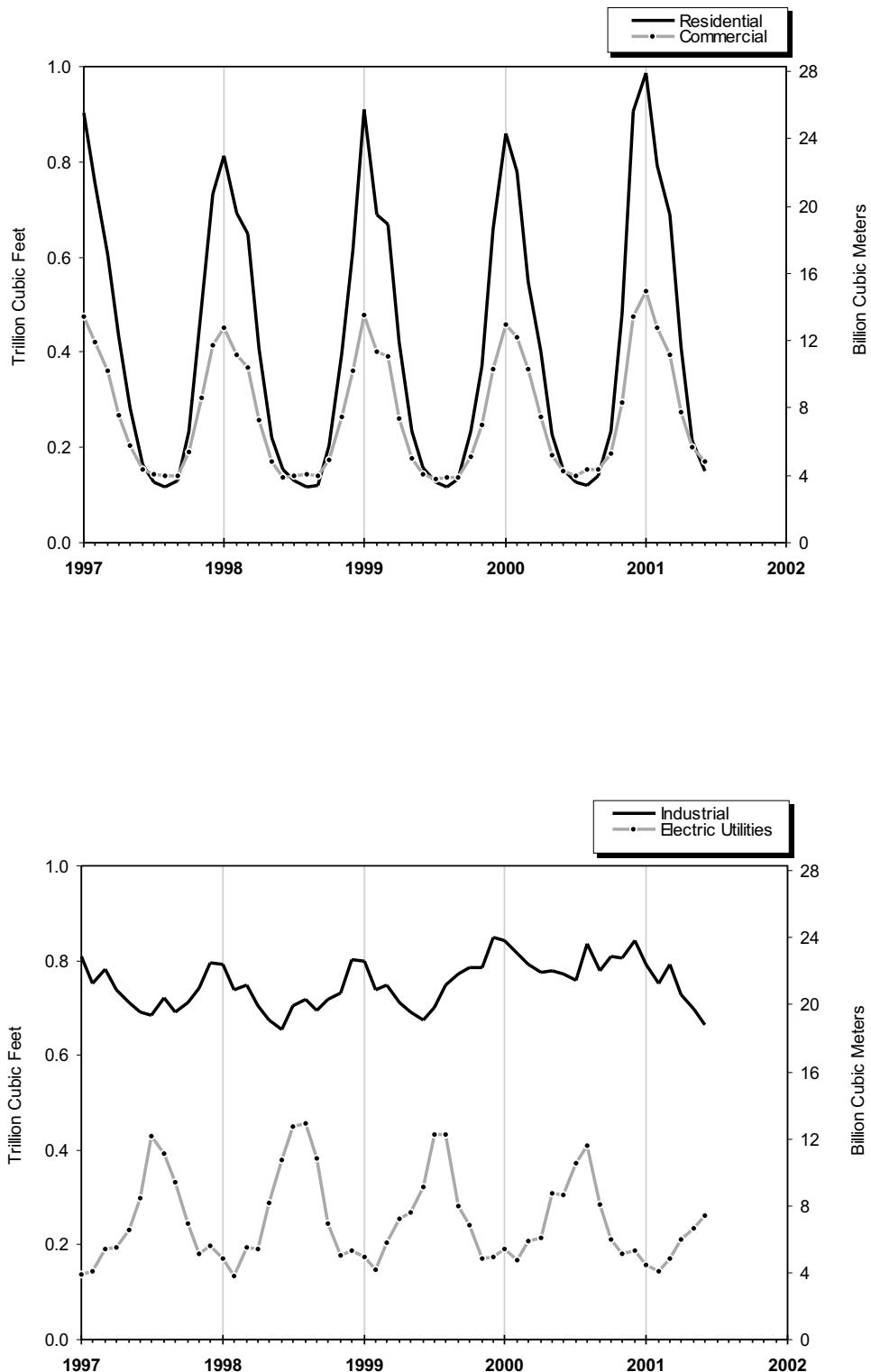
NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1999*, January 2000 through the current month; EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1997-2001



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1995-2001
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers						Electric Utilities Price	
			Residential Price	Commercial		Industrial				
				Price	% of Total ^b	Price	% of Total ^b			
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02		
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69		
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78		
1998 Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40		
1999										
January	1.84	2.87	6.00	5.19	73.1	3.29	16.9	2.32		
February	1.75	2.93	6.29	5.28	69.7	2.92	16.8	2.26		
March	1.68	2.69	6.06	4.97	69.3	2.95	17.4	2.15		
April	1.86	2.94	6.44	5.32	65.4	3.00	16.6	2.29		
May	2.16	3.41	7.30	5.34	61.1	2.86	16.0	2.57		
June	2.12	3.28	8.20	5.29	61.1	2.81	15.8	2.53		
July	2.18	3.23	8.83	5.44	58.2	2.86	15.7	2.58		
August	2.49	3.53	9.14	5.46	56.6	2.99	18.8	2.86		
September	2.61	3.72	8.63	5.55	60.0	3.41	17.5	2.98		
October	2.50	3.31	7.56	5.46	61.7	3.20	17.5	2.83		
November	2.67	3.76	7.15	5.72	63.0	3.51	17.7	3.01		
December	2.20	3.24	6.51	5.56	67.6	3.05	21.3	2.68		
Annual Average	2.17	3.16	6.69	5.33	66.2	3.10	17.4	2.62		
2000										
January	£2.12	3.30	6.32	5.55	67.0	3.46	£16.0	£2.74		
February	£2.30	3.50	6.55	5.68	68.4	£3.69	£16.6	£2.96		
March	£2.36	3.54	6.85	5.33	65.7	£3.59	£16.2	£3.00		
April	£2.55	3.70	7.11	£5.63	63.3	3.67	£15.7	£3.23		
May	£2.90	£4.15	£8.08	5.50	64.0	£3.69	£14.3	£3.63		
June	£3.73	5.17	£9.29	5.82	61.3	4.24	15.2	£4.45		
July	£3.70	£5.15	£10.19	5.88	60.8	£4.61	£14.8	£4.35		
August	£3.67	4.59	10.22	£5.42	62.3	£4.40	14.2	£4.27		
September	£4.26	5.17	9.94	6.18	60.9	4.91	£14.2	£4.85		
October	£4.61	5.64	£9.43	6.92	62.4	£5.32	14.0	£5.17		
November	£4.62	5.20	8.60	7.24	64.9	£5.39	17.9	£5.37		
December	£6.35	6.81	£8.59	7.90	68.4	£6.49	18.4	£8.23		
Annual Average	£3.60	4.65	7.72	6.18	65.3	4.50	£15.6	£4.33		
2001										
January	£8.06	£8.90	£10.04	£9.34	68.9	£8.68	15.8	9.47		
February	£5.84	£7.21	£10.30	£9.66	67.0	£7.27	£15.6	7.15		
March	£5.15	£6.19	£9.86	£8.98	66.0	£6.35	£14.4	5.69		
April	£5.21	£6.43	£10.11	£8.82	£63.3	£6.13	£13.8	5.70		
May	£4.56	£5.89	£11.04	£8.40	£55.8	£5.41	12.0	5.14		
June	£3.88	5.36	11.53	6.82	61.2	4.93	13.5	NA		
July	£3.39	NA	NA	NA	NA	NA	NA	NA		
August	£3.23	NA	NA	NA	NA	NA	NA	NA		
2001 YTD^c	£4.92	7.10	10.21	8.99	65.2	6.62	14.2	6.34		
2000 YTD^c	£2.92	3.70	6.87	5.56	65.7	3.72	15.7	3.17		
1999 YTD^c	2.01	2.94	6.35	5.20	68.4	2.98	16.6	2.33		

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

^c Year-to-date price represents months for which price information is available in the current year. The wellhead year-to-date price is 2 months ahead of the city gate, residential, commercial, and industrial year-to-date prices. The electric utility year-to-date price is 1 month behind the city gate, residential, commercial, and industrial year-to-date prices.

£ Revised Data.

£ Estimated Data.

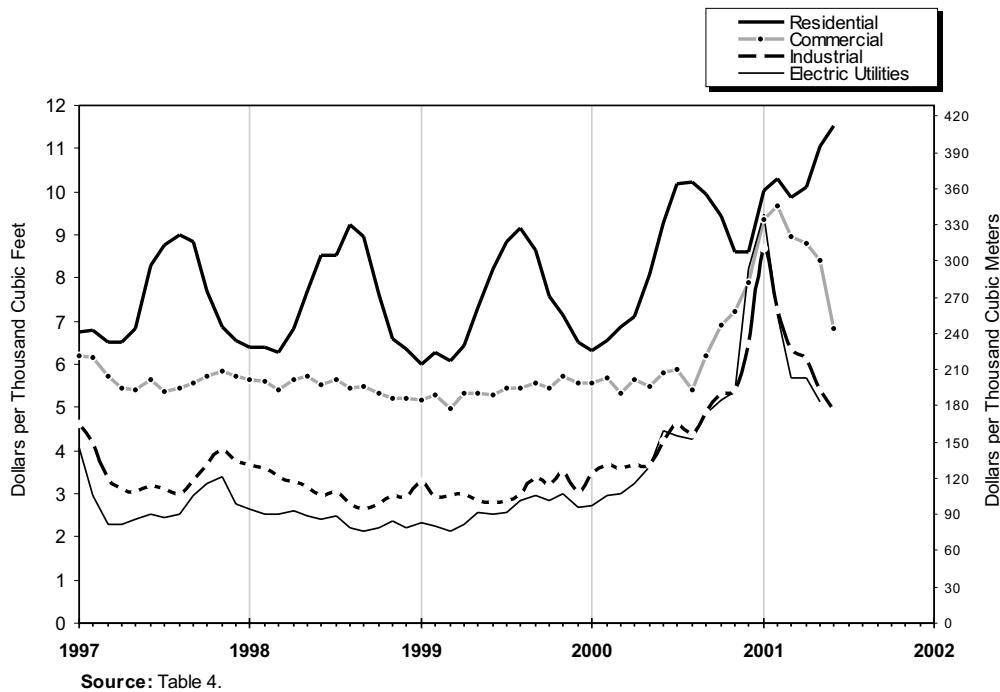
NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA) *Natural Gas Annual 1999*. January 2000 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

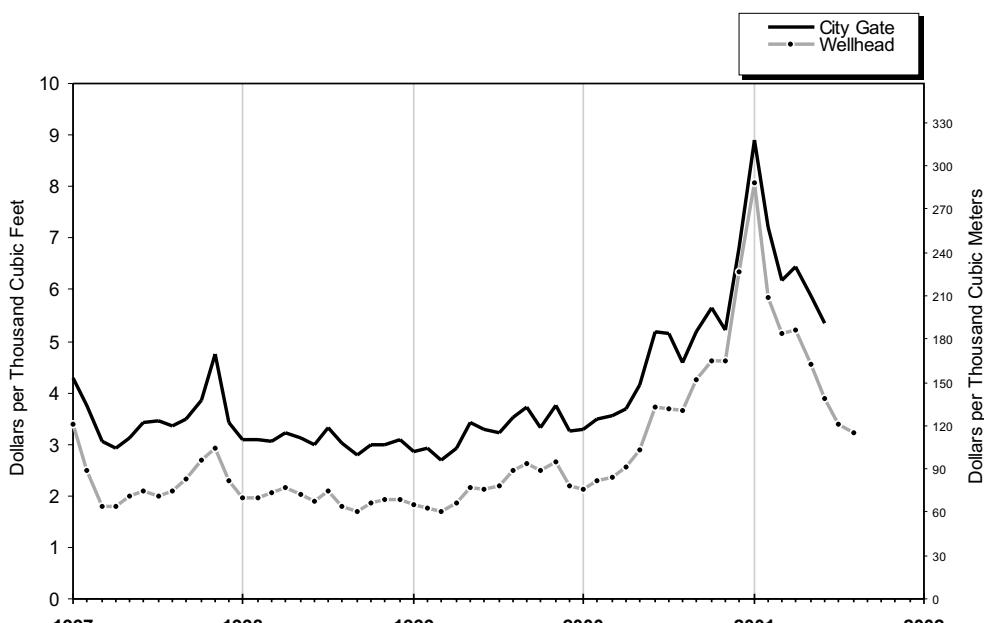
Figures 3 and 4

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1997-2001



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1997-2001



Source: Table 4.

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998 Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
Total	3,543,966	3.97	11,601	5.43	46,947	3.48	5,945	3.25	12,654	4.37
2001										
January	351,175	9.65	2,416	7.98	5,020	3.90	0	—	2,478	10.92
February	304,703	6.49	1,139	5.45	7,658	5.32	0	—	5,068	6.33
March	333,048	5.42	1,482	4.89	7,606	5.66	0	—	2,535	9.17
April	281,067	NA	£1,482	NA	4,998	NA	0	—	2,467	NA
May	297,539	NA	£1,482	NA	7,571	NA	0	—	2,500	NA
June	£287,242	NA	£1,482	NA	3,943	NA	0	—	2,489	NA
July	£306,007	NA	£1,482	NA	7,754	NA	2,285	NA	2,496	NA
2001 YTD	£2,160,780	NA	£10,965	NA	44,548	NA	2,285	NA	20,032	NA
2000 YTD	2,011,252	3.05	4,739	2.47	24,113	3.07	4,559	3.24	4,983	4.50
1999 YTD	1,920,676	2.00	29,932	1.94	53,037	2.37	4,871	2.97	0	—

See footnotes at end of table.

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998 Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	^2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	19,697	2.71	50,777	2.39	2,713	3.03	^2,576	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	3.30	0	—	^b2,464	2.86	322,285	3.94
August	7,167	3.15	8,435	3.30	0	—	^b2,461	2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	^b2,740	4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	^c2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	^b2,333	3.44	329,759	4.86
December	0	—	10,262	5.14	0	—	0	—	371,425	7.35
Total	46,057	3.44	98,949	3.43	2,725	3.53	12,758	3.50	3,781,603	3.95
2001										
January	0	—	9,215	6.80	0	—	0	—	370,303	9.50
February	0	—	6,635	4.63	0	—	^b2,738	8.62	327,941	6.44
March	2,400	3.17	9,221	4.54	0	—	0	—	356,293	5.41
April	2,452	NA	8,030	NA	0	—	^b1,702	NA	^E302,198	NA
May	4,975	NA	9,531	NA	0	—	0	—	^E323,596	NA
June	2,521	NA	10,407	NA	0	—	^b1,611	NA	^RE309,695	NA
July	2,487	NA	6,701	NA	0	—	0	—	^E329,211	NA
2001 YTD	14,836	NA	59,739	NA	0	—	6,051	NA	^E2,319,236	NA
2000 YTD	16,859	3.09	61,046	3.12	2,725	3.53	2,464	2.86	2,132,740	3.05
1999 YTD	9,944	2.30	18,711	2.03	0	—	0	—	2,037,171	2.01

^a Received from Malaysia.^b Received from Oman.^c Received from Indonesia.^R Revised Data.^E Estimated Data.^{RE} Revised Estimated Data.^{NA} Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. U.S. Natural Gas Exports, by Country, 1995-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998 Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
Total	72,586	3.66	105,102	4.26	65,610	4.31	418	5.82	243,716	4.10
2001										
January	11,818	7.07	7,939	10.20	5,571	4.68	47	5.82	25,374	7.52
February	15,796	5.44	7,863	6.95	3,714	4.73	42	5.82	27,414	5.78
March	19,691	4.48	6,965	6.08	5,569	4.70	42	5.82	32,266	4.87
April	16,591	NA	E6,834	NA	5,594	NA	NA	NA	E29,019	NA
May	15,973	NA	E6,834	NA	5,677	NA	NA	NA	E28,484	NA
June	E13,099	NA	E6,834	NA	3,780	NA	NA	NA	E23,713	NA
July	E9,950	NA	E6,834	NA	5,665	NA	NA	NA	E22,450	NA
2001 YTD	E102,917	NA	E50,103	NA	35,570	NA	NA	NA	E188,721	NA
2000 YTD	38,631	3.03	57,403	3.35	35,642	4.21	238	5.82	131,915	3.50
1999 YTD	17,720	1.97	37,300	2.00	37,480	2.86	155	7.31	92,655	2.35

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1995 through the current month (except estimates); Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7

**Table 7. Marketed Production of Natural Gas, by State, 1995-2001
(Million Cubic Feet)**

Year and Month	Alabama ^{a,b}	Alaska	Arizona	California	Colorado	Florida	Kansas
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998 Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	47,546	43,013	31	31,961	62,170	511	52,200
February	43,684	38,930	27	27,952	63,344	503	43,801
March	45,306	42,128	35	30,224	61,664	604	47,290
April	42,455	38,249	37	28,811	57,978	548	45,904
May	47,604	35,039	39	31,170	63,312	537	46,147
June	46,613	35,938	44	30,778	62,489	442	46,452
July	46,686	35,896	60	33,356	61,282	499	46,254
August	45,972	35,853	51	34,047	61,337	480	45,902
September	44,743	36,627	43	33,273	58,761	501	44,294
October	45,420	39,617	43	34,685	62,548	427	45,342
November	45,157	39,158	35	33,373	61,819	408	44,094
December	46,085	42,517	28	33,085	62,383	473	45,740
Total	547,271	462,967	474	382,715	739,085	5,933	553,419
2000							
January	32,259	43,584	37	31,011	E63,486	499	44,772
February	30,264	38,884	33	28,855	E60,681	480	42,199
March	31,540	39,274	26	31,351	E64,312	567	40,737
April	30,422	39,084	28	30,645	E62,013	E500	49,749
May	31,134	35,171	31	31,886	E64,061	535	43,445
June	29,595	35,120	32	29,799	E62,366	475	43,565
July	30,209	36,894	32	31,124	E63,526	528	42,591
August	30,436	38,609	33	32,702	E64,198	531	43,918
September	28,739	36,679	33	30,954	E62,063	526	40,524
October	29,825	41,958	33	32,255	E65,494	510	39,917
November	29,229	39,869	32	31,474	E65,029	448	39,559
December	29,773	43,293	24	32,831	E66,724	511	39,820
Total	363,425	468,418	375	374,888	E763,954	E6,110	510,796
2001							
January	30,460	R42,459	31	32,450	E67,408	R454	41,780
February	27,096	R38,335	28	29,821	E65,125	R397	36,909
March	29,918	R42,770	31	32,074	E67,993	R436	40,535
April	28,857	R39,605	32	30,325	E65,399	R499	39,420
May	29,736	35,913	28	32,404	E68,234	440	39,967
2001 YTD	146,067	199,083	151	157,075	E334,160	2,226	198,612
2000 YTD	155,619	195,998	155	153,749	E314,553	E2,581	220,902
1999 YTD	226,596	197,359	170	150,118	308,467	2,704	235,342

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Louisianab	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	459,044	20,743	9,152	5,235	129,321	4,408	135,369
February	417,264	8,426	8,678	4,768	116,787	3,931	121,063
March	462,267	40,112	9,933	5,240	128,657	4,227	133,865
April	451,763	22,574	9,426	4,889	126,045	4,299	125,362
May	457,608	25,240	9,708	5,057	125,612	4,345	128,071
June	437,730	25,084	9,480	4,666	125,381	4,333	128,410
July	455,946	23,988	9,542	5,178	127,971	4,578	134,140
August	451,409	19,154	9,406	5,123	130,728	4,542	139,529
September	429,403	24,652	9,198	5,026	124,664	4,432	126,716
October	439,129	13,540	9,050	5,305	130,728	4,613	139,787
November	422,311	21,676	8,608	5,048	127,749	4,534	130,810
December	429,918	32,175	8,840	5,629	118,027	4,622	127,725
Total	5,313,794	277,364	111,021	61,163	1,511,671	52,862	1,570,847
2000							
January	448,056	22,664	8,241	5,938	119,673	4,596	140,133
February	421,148	16,043	5,386	5,544	134,734	4,114	125,666
March	457,018	33,779	7,350	5,881	143,850	4,288	140,774
April	437,983	12,800	6,785	5,610	134,231	4,270	132,645
May	454,990	26,717	7,527	4,958	140,428	4,530	136,640
June	445,393	17,497	6,938	5,470	133,164	4,316	136,635
July	460,562	30,350	7,347	5,876	138,395	4,503	138,880
August	461,278	32,904	7,571	5,836	136,354	4,329	136,532
September	440,758	24,785	7,227	5,724	134,896	4,324	131,177
October	457,368	38,261	7,958	E5,544	134,889	4,496	139,660
November	451,086	25,905	7,693	E6,054	E133,496	4,167	E136,456
December	469,745	15,361	8,535	E6,528	E138,971	4,467	E141,005
Total	5,405,385	297,067	88,558	E68,963	E1,623,081	52,402	E1,636,203
2001							
January	467,724	27,354	8,958	E6,534	E138,892	4,537	E141,360
February	428,810	13,735	7,749	E6,071	E126,673	4,019	E129,640
March	474,754	29,621	8,398	E6,535	E137,458	4,548	E143,530
April	459,439	20,195	E9,892	E6,192	E132,924	4,564	E138,900
May	474,308	35,791	10,332	E6,122	E138,165	4,569	E143,395
2001 YTD	2,305,035	126,696	45,329	E31,454	E674,112	22,238	E696,825
2000 YTD	2,219,195	112,004	35,289	27,931	672,915	21,799	675,858
1999 YTD	2,247,947	117,094	46,896	25,189	626,422	21,209	643,731

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001
 (Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998 Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	526,872	23,467	68,995	73,022	1,693,142
February	84	482,797	21,141	63,372	64,209	1,530,761
March	120	528,147	23,878	69,149	67,861	1,700,709
April	111	509,507	22,076	65,885	64,148	1,620,068
May	113	526,194	22,771	63,061	65,032	1,656,660
June	111	504,194	21,828	68,120	63,027	1,615,119
July	110	524,016	21,707	66,954	64,718	1,662,881
August	74	513,844	21,493	68,293	63,445	1,650,681
September	90	499,047	19,725	68,694	64,276	1,594,165
October	124	517,242	21,610	72,965	70,415	1,652,589
November	134	495,575	21,364	70,952	68,512	1,601,317
December	138	490,218	21,554	76,691	71,915	1,617,763
Total	1,291	6,117,653	262,614	823,132	800,579	19,595,854
2000						
January	124	526,649	21,995	86,404	E75,054	E1,675,176
February	105	489,171	20,513	80,313	E66,471	E1,570,603
March	107	535,498	21,897	85,644	E71,039	E1,714,931
April	99	514,439	21,241	83,875	E67,479	E1,633,899
May	102	537,932	22,513	83,469	E68,351	E1,694,423
June	94	527,817	21,508	82,406	E65,614	E1,647,804
July	90	534,187	22,747	85,393	E67,413	E1,700,649
August	96	539,810	22,739	86,836	E66,494	E1,711,206
September	97	518,271	22,545	84,899	E65,743	E1,639,965
October	109	534,937	23,290	90,432	E72,477	E1,719,413
November	97	520,490	22,941	87,065	E69,533	E1,670,624
December	93	534,774	24,801	92,450	E73,488	E1,723,193
Total	1,214	6,313,975	268,730	1,029,185	E829,157	E20,101,885
2001						
January	E86	539,175	24,309	E90,291	E75,243	E1,739,505
February	E78	485,370	22,368	E87,238	E66,477	E1,575,940
March	E93	536,836	24,876	E87,947	E70,821	E1,739,176
April	E87	523,416	E24,381	E84,594	E67,189	E1,675,911
May	E89	539,296	E25,411	E85,035	E67,917	E1,737,152
2001 YTD	E433	2,624,093	E121,345	E435,104	E347,647	E8,467,684
2000 YTD	538	2,603,689	108,159	419,704	E348,394	E8,289,031
1999 YTD	510	2,573,517	113,334	330,462	334,272	8,201,340

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2000 and later data monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1995 through 1999 include Federal Offshore production. For 2000 and later, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, May 2001
 (Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	32,200	503	32,702	1,052	1,828	87	29,736
Alaska	13,268	266,945	280,213	243,712	0	587	35,913
Arizona	28	0	28	0	0	0	28
California	8,129	27,226	35,355	2,686	179	87	32,404
Colorado	£59,237	£9,643	£68,880	£574	0	£72	£68,234
Florida	0	497	497	0	57	0	440
Kansas	36,328	3,747	40,075	68	0	40	39,967
Louisiana	417,388	62,745	480,133	3,766	0	2,060	474,308
Michigan	29,130	7,282	36,412	257	0	364	35,791
Mississippi	11,030	438	11,468	564	324	248	10,332
Montana	£5,393	£735	£6,128	£6	0	0	£6,122
New Mexico	£130,713	£18,260	£148,973	£1,298	£9,274	£236	£138,165
North Dakota	1,263	3,554	4,817	0	7	242	4,569
Oklahoma	£129,633	£13,762	£143,395	£0	£0	£0	£143,395
Oregon	£103	0	£103	0	£14	0	£89
Texas	478,173	115,704	593,876	38,432	13,649	2,499	539,296
Utah	£23,354	£3,172	£26,527	£47	0	£1,069	£25,411
Wyoming	£111,120	£8,774	£119,895	£5,718	£14,670	£14,471	£85,035
Other States	£66,532	£2,569	£69,100	£68	£493	£622	£67,917
Total	£1,553,022	£545,557	£2,098,578	£298,248	£40,494	£22,684	£1,737,152

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[£] Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Table 9

Table 9. Underground Natural Gas Storage - All Operators, 1995-2001

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1995 Total ^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total ^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total ^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998 Total ^a	4,326	2,730	7,056	554	25.5	2,905	2,379	-526
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	2,598	2,772	174
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	d4,354	d2,699	7,053	-374	-12.2	313	87	-227
November	d4,358	d2,443	6,801	-622	-20.3	108	401	293
December	d4,352	d1,720	6,072	-803	-31.8	65	755	690
Total	—	—	—	—	—	2,591	3,436	845
2001								
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June	R4,310	R1,882	R6,193	R176	R10.3	R470	48	R422
July	4,315	2,261	6,576	265	13.3	441	64	-376
August(STIFS)	R4,315	R2,584	R6,899	R394	R18.0	NA	NA	R323
September(STIFS)	E4,315	E2,974	E7,289	E501	E20.3	NA	NA	E-390

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 7,953; 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,246.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^d Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.^R Revised Data.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

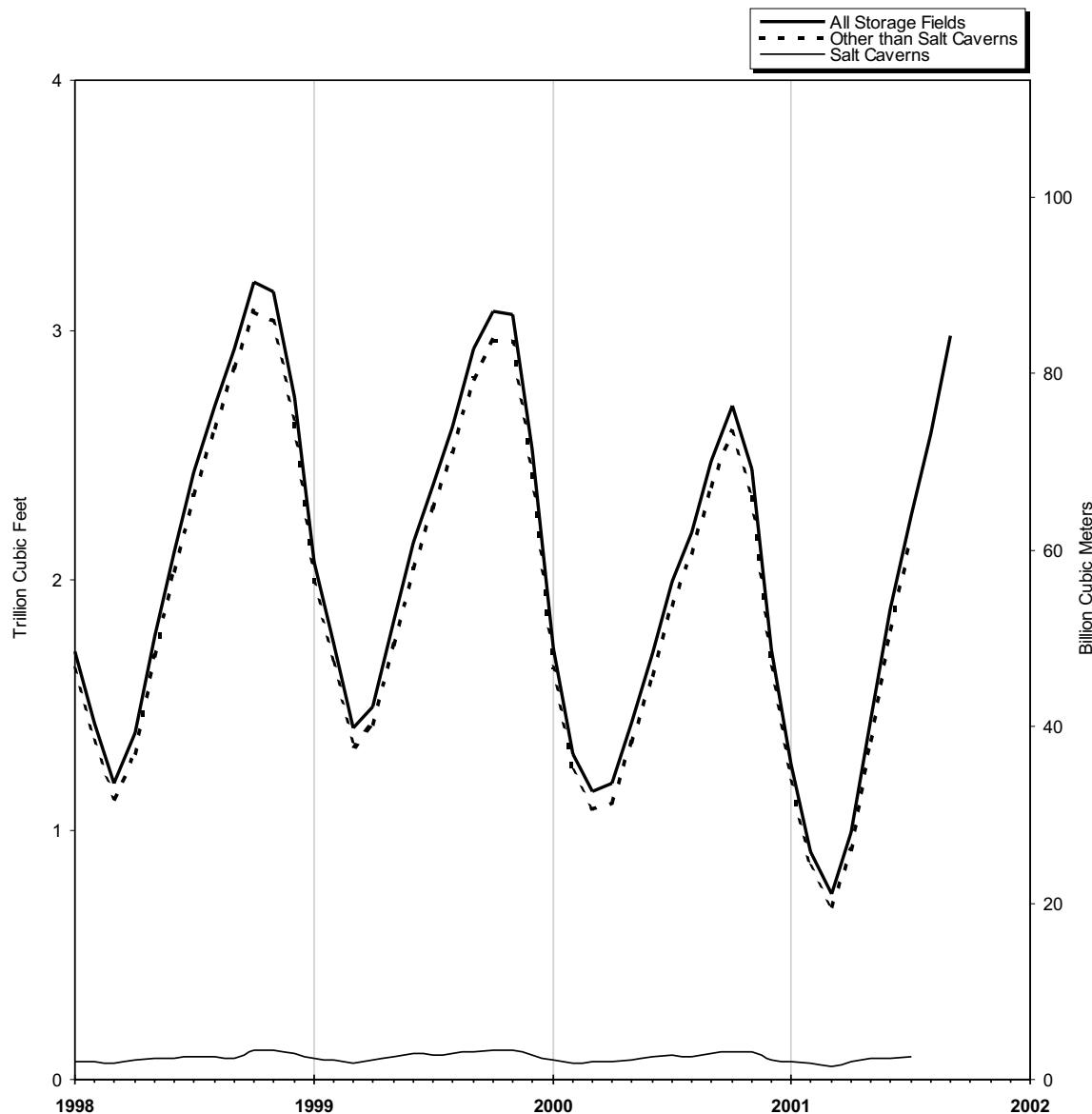
— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1998-2001



Sources: Tables 10, 11 and 12.

Table 10

Table 10. Underground Natural Gas Storage - by Season, 1998-2001
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 1998	4,342	3,191	7,533	302	10.6	308	46	-262
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
Total	—	—	—	—	—	428	2,137	1,709
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	2,154	511	-1,643
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	494	2,465	1,971
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	b4,354	b2,699	7,053	-374	-12.2	313	87	-227
Total	—	—	—	—	—	2,158	625	-1,533
2000-2001 Heating Season								
November	b4,358	b2,443	6,801	-622	-20.3	108	401	293
December	b4,352	b1,720	6,072	-803	-31.8	65	755	690
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
Total	—	—	—	—	—	450	2,418	1,967
2001 Refill Season								
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June	b4,310	b1,882	b6,193	b176	b10.3	b470	48	b-422
July	4,315	2,261	6,576	265	13.3	441	64	-376
August(STIFS)	RE4,315	RE2,584	RE6,899	RE394	RE18.0	NA	NA	RE-323
September(STIFS)	E4,315	E2,974	E7,289	E501	E20.3	NA	NA	E-390

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

^{NA} Not Available.

— Not Applicable.

Notes: Data through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from

the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total ^a	60	72	131	2	2.9	194	200	5
1996 Total ^a	64	85	149	14	18.8	258	246	-13
1997 Total ^a	67	83	150	-4	-3.0	267	274	6
1998 Total ^a	67	104	171	21	26.0	297	275	-22
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	260	259	-1
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9
August	72	88	161	-14	-13.5	21	30	9
September	72	101	172	-11	-9.9	30	18	-12
October	72	109	181	-6	-5.1	29	20	-9
November	69	111	180	-6	-4.8	22	24	2
December	70	75	145	-25	-25.4	19	53	34
Total	—	—	—	—	—	291	314	23
2001								
January	71	73	144	-2	-2.4	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1
July	71	89	160	-8	-8.4	29	25	-4

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001
 (Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1995 Total ^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total ^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total ^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998 Total ^a	4,259	2,626	6,884	533	25.5	2,608	2,103	-504
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	2,338	2,512	175
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282
August	4,283	2,101	6,384	-428	-16.9	275	73	-202
September	4,283	2,372	6,655	-439	-15.6	324	54	-270
October	4,282	b2,590	6,872	-368	-12.4	285	66	-218
November	4,289	b2,333	6,621	-616	-20.9	86	377	291
December	4,282	b1,646	5,928	-778	-32.1	47	703	656
Total	—	—	—	—	—	2,299	3,122	822
2001								
January	4,273	1,192	5,465	-457	-27.7	60	528	468
February	4,259	846	5,105	-389	-31.5	52	382	330
March	4,232	688	4,920	-392	-36.3	93	259	166
April	4,192	921	5,113	-189	-17.0	312	54	-259
May	4,239	1,355	5,594	6	0.4	458	27	-432
June	4,239	b1,798	b6,037	b181	b11.2	b445	23	b-421
July	4,245	2,172	6,417	273	14.4	411	39	-372

^a Total as of December 31.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

R Revised Data.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in

storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet)

State	2001						
	July	June	May	April	March	February	January
Alabama	-154	-576	44	-195	604	-241	330
Arkansas	-740	-879	-992	-604	139	391	785
California	-20,929	-29,462	-27,438	-17,361	-14,822	20,542	39,041
Colorado	-4,182	-4,069	-2,301	660	1,787	4,374	4,138
Illinois	-20,442	-25,936	-30,943	-12,251	14,412	43,450	42,940
Indiana	-3,671	-3,159	-1,372	1,366	2,616	3,544	4,279
Iowa	-10,141	-6,017	-5,532	-2,900	3,712	8,167	16,496
Kansas	-6,556	-13,884	-14,428	-11,364	4,933	16,056	-3,218
Kentucky	-9,956	-12,782	-11,456	-4,039	6,901	2,626	6,783
Louisiana	-24,699	-30,405	-25,730	-22,513	5,213	96	30,425
Maryland	-2,572	-3,098	-2,653	-1,402	1,215	2,382	2,235
Michigan	-87,034	-80,530	-71,545	-36,155	43,738	76,815	66,029
Minnesota	-328	-319	-152	23	154	323	489
Mississippi	-5,355	-6,274	-2,821	-8,549	10,930	1,071	2,828
Missouri	13	-1,063	17	-51	1,242	379	-255
Montana	-5,523	-4,034	-2,902	-1	1,629	4,504	4,208
Nebraska	-339	-956	-1,908	-1,077	573	1,456	1,090
New Mexico	93	-403	-2,645	-1,573	-1,851	-1,657	25
New York	-10,233	-11,212	-13,541	-6,630	8,160	11,920	13,182
Ohio	-37,878	-32,303	-33,094	-15,734	22,906	27,160	41,777
Oklahoma	-10,224	-23,745	-28,938	-23,624	415	12,522	24,484
Oregon	-2,293	-2,561	-2,151	810	962	2,264	2,252
Pennsylvania	-50,422	^b -55,959	-66,462	-43,608	47,171	51,475	69,205
Tennessee	-63	-31	-113	-103	69	82	59
Texas	-21,624	-34,795	-40,985	-43,016	2,704	8,957	41,565
Utah	-7,179	-6,356	-7,254	-4,428	-2,807	4,031	12,277
Virginia	-244	-402	-532	-434	283	92	517
Washington	372	-200	-8,283	-2,300	592	6,110	2,608
West Virginia	-31,290	-28,838	-39,499	-18,243	16,521	26,341	36,787
Wyoming	-2,866	-1,800	-2,052	-1,073	534	2,586	3,225
AGA Regions							
Producing	-69,106	-110,384	-116,537	-111,243	22,484	37,436	96,894
Eastern Consuming	-264,426	^b -262,862	-278,588	-141,454	170,123	255,647	301,453
Western Consuming	-42,930	-48,800	-52,532	-23,671	-11,971	44,735	68,237
Total	-376,461	^b-422,046	-447,658	-276,368	180,636	337,818	466,585

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
 (Volumes in Million Cubic Feet) — Continued

State	2000						
	Total	December	November	October	September	August	July
Alabama	442	85	203	142	110	0	-82
Arkansas	3,033	2,077	432	-397	-268	-680	-649
California	50,820	6,831	27,276	-10,226	-1,265	19,352	445
Colorado	7,842	4,853	3,997	-1,948	-2,199	-4,786	-4,625
Illinois	21,522	49,879	25,938	-34,383	-31,497	-28,597	-28,764
Indiana	3,461	7,070	-611	-4,337	-3,365	-2,742	-2,234
Iowa	13,521	22,525	10,744	-13,491	-12,835	-11,670	-10,921
Kansas	31,383	23,268	21,088	-18,798	-16,291	-987	-9,930
Kentucky	28,175	22,098	10,789	-8,493	-10,337	-6,477	-10,659
Louisiana	101,886	67,243	11,299	-18,447	-15,935	-12,898	-23,151
Maryland	4,700	5,242	1,346	-285	-44	-2,244	-2,002
Michigan	156,410	102,282	54,268	-37,909	-46,403	-52,904	-49,908
Minnesota	418	604	-92	-199	-266	-272	-343
Mississippi	2,237	14,226	4,898	-4,385	-4,631	-3,417	-5,252
Missouri	662	1,111	-190	-353	-711	215	17
Montana	13,893	5,167	3,716	49	-957	-2,261	-2,039
Nebraska	4,366	1,124	1,622	-504	-764	225	-620
New Mexico	-570	417	-296	-906	-50	1,041	800
New York	9,890	17,274	5,063	-4,037	-7,910	-7,494	-10,087
Ohio	56,994	60,771	23,882	-10,000	-23,629	-24,973	-33,090
Oklahoma	92,652	42,260	16,069	-9,297	-14,618	1,344	-2,413
Oregon	1,481	1,476	798	143	0	-2,017	-2,209
Pennsylvania	46,047	95,842	21,847	-26,478	-47,291	-32,838	-52,073
Tennessee	205	0	0	-114	0	0	0
Texas	130,785	67,670	12,612	-13,107	-8,249	13,808	-1,272
Utah	7,354	10,929	9,079	1,050	-5,510	-6,540	-6,654
Virginia	393	695	344	-245	-201	-212	-214
Washington	1,932	-1,986	3,781	1,188	-2,835	909	-3,739
West Virginia	44,507	55,093	20,779	-11,536	-23,871	-25,345	-28,215
Wyoming	8,584	3,622	2,005	341	-360	-897	-517
AGA Regions							
Producing	361,405	217,161	66,102	-65,338	-60,041	-1,789	-41,867
Eastern Consuming	391,295	441,090	176,022	-152,019	-208,748	-195,056	-228,850
Western Consuming	92,325	31,496	50,560	-9,603	-13,394	3,486	-19,680
Total	845,025	689,747	292,684	-226,961	-282,183	-193,359	-290,397

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000					
	June	May	April	March	February	January
Alabama	-594	-90	66	-8	-307	916
Arkansas	-444	-698	-287	997	1,228	1,722
California	-6,789	-10,967	-19,885	-3,144	21,871	27,322
Colorado	-4,611	-751	1,382	6,707	3,627	6,198
Illinois	-33,160	-13,295	13,190	8,776	34,403	59,032
Indiana	-1,939	-258	1,350	2,031	1,448	7,049
Iowa	-5,856	-4,399	1,706	5,207	11,385	21,126
Kansas	-9,788	-6,106	2,275	11,548	9,643	25,461
Kentucky	-6,185	-4,062	3,470	6,759	10,109	21,162
Louisiana	-22,366	-4,878	9,828	19,976	38,771	52,444
Maryland	-2,999	-2,480	-633	-65	3,384	5,481
Michigan	-45,556	-48,446	-6,666	44,807	80,436	162,410
Minnesota	-131	2	116	301	298	401
Mississippi	-5,226	-4,057	527	-1,228	-595	11,377
Missouri	20	-25	103	-98	-548	1,122
Montana	-456	522	621	2,164	3,191	4,177
Nebraska	1,077	-78	-92	42	1,313	1,019
New Mexico	-794	-469	-2,587	208	1,034	1,032
New York	-9,999	-8,663	-2,854	6,360	13,702	18,533
Ohio	-21,527	-28,909	-5,163	24,219	36,569	58,844
Oklahoma	-9,952	-9,562	-5,856	2,165	36,526	45,987
Oregon	-2,043	-869	783	1,766	1,566	2,088
Pennsylvania	-42,668	-52,902	-7,196	11,168	66,917	111,718
Tennessee	0	0	18	63	63	175
Texas	-7,124	-2,892	-10,396	-9,237	34,595	54,376
Utah	-5,712	-5,531	-4,447	3,012	7,585	10,093
Virginia	-214	-278	-114	32	105	695
Washington	-3,660	-2,639	-893	1,485	2,566	7,755
West Virginia	-22,374	-18,051	-4,487	14,440	30,334	57,742
Wyoming	-1,168	-1,590	507	1,332	2,373	2,935
AGA Regions						
Producing	-55,693	-28,663	-6,496	24,430	121,202	192,398
Eastern Consuming	-191,974	-181,936	-7,304	123,733	289,313	527,024
Western Consuming	-24,570	-21,823	-21,815	13,622	43,076	60,969
Total	-272,238	-232,422	-35,615	161,785	453,592	780,391

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001
 (Volumes in Million Cubic Feet) — Continued

State	1999						
	Total	December	November	October	September	August	July
Alabama	-164	189	-134	77	-402	-81	-235
Arkansas	233	1,276	423	-219	-237	-901	-1,116
California	8,194	24,198	-4,553	-4,598	-9,527	3,398	-10,930
Colorado	-1,502	5,058	-902	-2,450	-4,903	-5,456	-6,717
Illinois	-2,715	42,415	2,345	-31,518	-38,163	-32,748	-25,990
Indiana	-244	4,419	-2,227	-3,862	-4,404	-2,939	-1,815
Iowa	2,445	21,305	1,096	-10,941	-13,108	-11,316	-10,783
Kansas	15,568	22,458	873	-1,078	-14,542	-9,853	-3,081
Kentucky	2,725	10,737	2,295	-1,066	-9,932	-1,223	-3,733
Louisiana	9,530	39,997	6,656	-11,735	-32,398	-3,887	-3,692
Maryland	-63	1,420	460	-3,376	-1,411	-1,953	1,324
Michigan	32,938	105,683	6,548	-24,215	-49,773	-56,778	-40,734
Minnesota	-253	147	-128	-175	-272	-250	-308
Mississippi	14,502	9,530	-2,778	1,041	-2,219	-1,267	927
Missouri	-567	340	-174	-205	-408	-64	6
Montana	7,884	2,618	1,154	493	-1,484	-2,544	-1,795
Nebraska	473	557	-252	-440	-1,645	-949	522
New Mexico	-2,289	814	-1,202	-259	-2,232	-841	-172
New York	7,825	12,574	1,488	-948	-5,728	-6,898	-5,916
Ohio	16,019	44,624	8,737	-9,815	-25,793	-28,634	-28,566
Oklahoma	-6,703	19,463	-2,807	-11,571	-15,615	501	-979
Oregon	-589	1,350	-593	0	-1,546	-1,316	-2,119
Pennsylvania	23,197	69,287	4,253	-19,029	-41,496	-35,101	-27,893
Tennessee	-34	164	56	-57	-105	-104	-76
Texas	5,985	38,524	-652	-12,103	-10,456	9,511	-6,126
Utah	9,193	12,584	957	-1,889	-4,860	-4,582	-7,489
Virginia	92	455	181	-109	-414	-207	-211
Washington	-1,213	1,577	-152	-1,462	-477	-477	-3,748
West Virginia	34,622	46,561	10,665	-3,320	-20,427	-23,063	-23,750
Wyoming	-1,063	2,359	539	-307	-1,030	-1,371	-2,294
AGA Regions							
Producing	36,826	132,062	515	-35,924	-77,700	-6,737	-14,239
Eastern Consuming	116,549	360,730	35,337	-108,825	-213,208	-202,059	-167,850
Western Consuming	20,650	49,889	-3,678	-10,388	-24,100	-12,599	-35,399
Total	174,025	542,681	32,174	-155,137	-315,007	-221,395	-217,488

^a Revised Data.

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1999 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Activities of Underground Natural Gas Storage Operators, by State, July 2001
 (Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,538	2,728	-352	-18.6	250	95
Arkansas	22,000	8,715	5,735	14,450	259	4.7	740	0
California	388,480	249,325	174,170	423,495	14,034	8.8	25,468	4,539
Colorado	100,227	48,255	27,780	76,035	-643	-2.3	4,487	304
Illinois	898,565	668,482	160,520	829,002	14,426	9.9	23,575	3,133
Indiana	113,210	73,718	24,222	97,940	716	3.0	3,689	19
Iowa	273,200	197,715	28,481	226,196	8	0.0	10,508	367
Kansas	300,402	178,152	66,875	245,027	12,332	22.6	11,504	4,948
Kentucky	219,914	109,255	84,894	194,149	13,707	19.3	9,987	31
Louisiana	569,187	268,333	192,577	460,911	63,046	48.7	35,310	10,610
Maryland	62,000	46,677	12,079	58,757	-134	-1.1	2,786	214
Michigan	1,070,717	459,250	356,433	815,683	-17,813	-4.8	87,288	255
Minnesota	7,000	4,840	1,358	6,198	-182	-11.8	328	0
Mississippi	134,012	77,715	49,381	127,096	7,243	17.2	7,217	1,862
Missouri	31,878	21,600	8,885	30,485	-355	-3.8	0	13
Montana	371,510	167,341	26,616	193,956	-3,589	-11.9	5,736	213
Nebraska	39,469	26,995	4,975	31,969	2,836	132.6	596	258
New Mexico	96,600	29,766	9,081	38,846	-149	-1.6	758	851
New York	175,496	96,042	61,317	157,358	5,956	10.8	10,557	323
Ohio	573,784	344,034	126,256	470,290	6,906	5.8	38,316	438
Oklahoma	378,137	200,968	120,692	321,660	39,741	49.1	15,073	4,849
Oregon	17,755	9,352	8,257	17,608	1,773	27.3	2,293	0
Pennsylvania	713,818	352,237	288,700	640,937	34,530	13.6	56,740	6,318
Tennessee	1,200	340	669	1,009	298	80.1	63	0
Texas	699,324	250,031	224,416	474,447	38,455	20.7	44,672	23,047
Utah	129,480	64,601	34,040	98,640	2,681	8.6	7,230	51
Virginia	4,967	2,312	2,113	4,424	46	2.2	274	30
Washington	37,300	19,000	15,419	34,419	-170	-1.1	772	1,143
West Virginia	733,126	278,291	127,529	405,820	32,357	34.0	31,622	332
Wyoming	105,869	60,782	15,757	76,539	-3,105	-16.5	2,872	6
AGA Regions								
Producing	2,199,662	1,013,680	668,757	1,682,437	160,927	31.7	115,272	46,167
Eastern Consuming	4,914,624	2,678,137	1,288,610	3,966,747	93,132	7.8	276,251	11,825
Western Consuming	1,157,620	623,495	303,396	926,890	10,799	3.7	49,186	6,257
Total	8,271,906	4,315,312	2,260,763	6,576,075	264,858	13.3	440,710	64,249

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				June	May	April
Alabama	35,076	29,665	28,695	1,297	1,893	4,605
Alaska	8,284	8,745	9,780	609	980	1,182
Arizona	25,239	23,587	22,418	1,267	1,896	2,824
Arkansas	NA	22,207	25,854	NA	NA	NA
California	309,340	293,224	369,465	22,861	30,433	41,474
Colorado	85,730	71,931	74,434	4,464	8,234	12,557
Connecticut	NA	26,387	25,977	NA	1,309	3,644
Delaware	7,006	6,572	6,353	275	461	1,048
District of Columbia	10,528	9,820	9,909	442	595	1,390
Florida	10,542	9,242	8,318	781	955	1,310
Georgia	NA	73,104	55,199	3,819	4,742	NA
Hawaii	279	284	274	47	46	47
Idaho	12,772	11,305	11,773	584	1,063	1,794
Illinois	271,933	257,222	275,116	11,443	14,452	26,454
Indiana	NA	95,708	101,146	NA	NA	NA
Iowa	49,099	42,391	46,848	1,929	2,639	5,559
Kansas	51,587	43,695	47,866	1,743	2,437	5,758
Kentucky	35,568	34,882	36,649	988	1,307	2,488
Louisiana	35,110	28,243	29,102	1,719	2,183	3,698
Maine	NA	616	571	NA	R49	R61
Maryland	54,358	49,622	48,771	2,207	3,035	6,713
Massachusetts	NA	74,983	62,436	NA	R5,835	R13,605
Michigan	240,394	224,292	233,778	10,690	16,531	33,454
Minnesota	81,391	73,602	74,431	3,485	4,833	9,565
Mississippi	NA	16,026	16,450	773	1,142	1,958
Missouri	84,525	71,174	78,865	3,043	3,840	9,594
Montana	12,838	11,130	11,986	696	1,047	1,906
Nebraska	31,927	26,603	27,663	1,180	2,564	R4,596
Nevada	20,209	17,336	18,355	1,174	1,640	2,470
New Hampshire	4,911	4,912	4,501	224	R386	R784
New Jersey	144,583	135,802	142,753	6,006	9,242	20,570
New Mexico	18,537	19,239	20,147	966	1,190	1,948
New York	273,810	264,651	249,847	14,262	22,366	42,975
North Carolina	43,474	40,602	37,303	1,544	2,045	5,034
North Dakota	6,411	6,763	6,955	246	366	818
Ohio	235,763	201,103	207,161	9,597	13,532	30,542
Oklahoma	45,477	39,080	44,080	1,767	2,313	5,668
Oregon	25,390	24,706	25,838	1,508	R2,653	R3,916
Pennsylvania	NA	161,407	160,018	6,222	NA	NA
Rhode Island	13,126	12,744	11,656	644	1,030	2,133
South Carolina	19,868	18,499	17,616	567	992	2,463
South Dakota	NA	7,246	7,815	NA	547	1,039
Tennessee	49,150	41,878	41,554	2,176	R1,970	5,352
Texas	148,267	111,428	116,855	6,979	8,492	15,626
Utah	31,629	28,419	30,949	1,782	1,888	4,120
Vermont	1,969	1,928	1,767	96	146	316
Virginia	50,694	46,903	45,261	1,805	2,377	5,712
Washington	46,147	44,422	45,679	3,021	R4,899	R7,278
West Virginia	NA	21,131	21,615	NA	NA	3,502
Wisconsin	NA	76,025	77,545	NA	NA	8,545
Wyoming	6,665	7,059	7,916	440	610	803
Total	3,245,953	2,969,547	3,083,310	150,173	R214,264	R410,114

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001			2000		
	March	February	January	Total	December	November
Alabama	5,643	8,644	12,994	46,063	8,330	2,882
Alaska	1,813	1,824	1,876	15,979	2,013	1,748
Arizona	5,439	7,072	6,739	36,745	6,038	2,951
Arkansas	NA	NA	NA	^42,373	10,483	5,333
California	58,633	71,182	84,757	516,494	68,423	52,076
Colorado	17,892	20,481	22,102	117,502	20,828	10,867
Connecticut	6,135	6,215	8,425	41,870	6,804	3,824
Delaware	1,564	1,715	1,943	9,464	1,403	615
District of Columbia	2,178	2,544	3,379	14,951	2,479	1,037
Florida	1,510	2,635	3,351	15,127	1,932	992
Georgia	17,069	16,513	28,880	144,499	35,319	16,674
Hawaii	49	43	48	535	44	42
Idaho	2,379	3,455	3,497	18,714	3,211	2,107
Illinois	61,269	72,405	85,909	466,956	99,505	55,887
Indiana	NA	NA	NA	160,534	32,801	15,546
Iowa	11,095	13,101	14,777	73,842	15,570	8,096
Kansas	11,650	12,213	17,787	70,562	14,361	5,608
Kentucky	9,204	8,955	12,626	65,163	15,409	8,301
Louisiana	^5,473	8,840	13,197	^49,022	9,399	4,207
Maine	^143	^154	^175	1,011	176	96
Maryland	11,619	12,948	17,836	82,603	15,390	7,983
Massachusetts	^18,455	^18,490	^21,123	113,997	16,739	9,047
Michigan	55,739	55,540	68,440	360,389	63,508	31,180
Minnesota	17,617	22,678	23,212	130,561	26,916	14,938
Mississippi	NA	4,981	7,902	26,222	5,352	1,704
Missouri	17,971	21,190	28,888	115,923	23,707	9,442
Montana	2,583	3,330	3,276	19,593	3,393	2,349
Nebraska	6,229	7,494	9,864	41,725	6,875	3,636
Nevada	3,974	5,415	5,536	29,917	4,950	3,228
New Hampshire	^1,061	^1,132	^1,324	7,316	1,033	566
New Jersey	32,905	33,583	42,276	219,373	37,212	19,949
New Mexico	2,762	5,561	6,109	36,014	6,447	4,655
New York	^59,507	64,028	^70,672	NA	NA	NA
North Carolina	7,881	12,316	14,653	65,084	12,769	6,086
North Dakota	1,267	1,934	1,781	11,116	1,931	1,136
Ohio	52,879	56,629	72,584	332,057	61,643	32,211
Oklahoma	9,987	12,033	13,710	^64,543	13,501	^5,385
Oregon	^5,048	5,941	^6,324	38,714	6,064	3,572
Pennsylvania	38,814	39,973	51,432	262,797	46,594	24,010
Rhode Island	2,881	2,966	3,471	^18,655	^2,487	1,262
South Carolina	3,238	4,689	7,919	29,108	6,068	2,032
South Dakota	1,770	2,172	2,165	12,609	2,621	1,375
Tennessee	9,693	10,443	19,516	67,864	15,017	5,128
Texas	25,405	38,785	52,979	^190,460	^38,111	15,380
Utah	5,561	8,187	10,092	55,624	9,652	8,378
Vermont	420	446	544	2,843	376	210
Virginia	10,828	12,695	17,278	78,188	15,390	8,033
Washington	^8,883	^10,980	^11,085	NA	10,746	NA
West Virginia	NA	5,442	6,923	31,685	5,341	2,181
Wisconsin	21,640	22,782	23,699	135,198	27,689	15,485
Wyoming	1,101	1,846	1,865	12,149	2,088	1,283
Total	^690,484	^794,156	^986,763	^4,975,731	^904,746	^479,682

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	October	September	August	July	June	May
Alabama	1,689	1,153	1,126	1,218	1,351	2,267
Alaska	1,454	927	618	474	645	864
Arizona	1,133	1,028	956	1,053	1,245	1,596
Arkansas	^a 1,488	1,154	916	^a 792	^a 916	1,559
California	31,726	24,480	22,101	24,464	27,655	31,747
Colorado	5,548	2,717	2,579	3,032	4,125	6,603
Connecticut	2,280	992	622	961	1,270	2,244
Delaware	269	172	187	246	294	655
District of Columbia	537	365	346	367	470	717
Florida	826	698	698	738	836	973
Georgia	7,019	4,473	4,045	3,865	4,066	4,803
Hawaii	41	41	39	44	45	47
Idaho	843	475	343	430	621	892
Illinois	21,831	12,372	10,584	9,555	12,058	15,622
Indiana	6,762	3,861	2,922	2,935	3,693	6,240
Iowa	3,114	1,710	1,410	1,551	1,611	2,658
Kansas	2,472	1,546	1,280	1,598	1,801	2,950
Kentucky	2,804	1,452	1,238	1,078	1,131	1,424
Louisiana	2,181	1,678	1,607	1,706	^a 1,797	^a 2,040
Maine	63	32	0	27	31	49
Maryland	3,747	2,026	1,921	1,913	2,233	3,313
Massachusetts	4,841	2,933	2,580	2,874	4,154	7,032
Michigan	17,230	9,109	7,401	7,668	9,582	18,230
Minnesota	6,182	3,273	2,774	2,875	3,369	4,940
Mississippi	1,050	699	669	724	805	1,147
Missouri	4,061	2,545	2,517	2,475	2,081	4,816
Montana	1,275	595	381	470	590	947
Nebraska	1,887	1,053	774	897	977	1,426
Nevada	1,399	1,085	909	1,009	1,184	1,568
New Hampshire	302	182	143	178	275	432
New Jersey	10,414	5,917	5,098	4,982	6,198	11,007
New Mexico	2,500	1,214	983	975	1,573	1,163
New York	NA	NA	NA	NA	14,349	24,313
North Carolina	2,498	1,072	1,030	1,025	1,510	2,265
North Dakota	593	255	227	212	333	502
Ohio	15,638	7,550	6,712	7,200	7,670	13,488
Oklahoma	2,252	1,434	1,369	1,523	1,750	2,683
Oregon	1,581	982	806	1,003	1,537	2,322
Pennsylvania	12,355	6,975	5,640	5,815	7,866	10,603
Rhode Island	722	506	451	482	715	1,279
South Carolina	1,011	536	468	494	576	1,140
South Dakota	601	277	243	248	333	573
Tennessee	2,318	1,213	1,102	1,208	1,335	2,544
Texas	8,224	5,631	5,546	6,139	6,864	^a 8,392
Utah	3,824	2,415	1,444	1,492	1,494	1,809
Vermont	124	72	62	70	110	179
Virginia	3,159	1,685	1,468	1,550	1,779	2,830
Washington	3,192	1,997	1,593	1,971	3,039	4,523
West Virginia	1,375	600	536	521	749	1,902
Wisconsin	6,823	3,580	2,896	2,699	2,658	5,018
Wyoming	736	387	292	304	407	658
Total	^a233,686	139,896	121,058	^a127,115	^a153,758	^a228,992

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000				1999	
	April	March	February	January	Total	December
Alabama	3,391	4,694	9,492	8,470	42,647	5,754
Alaska	1,233	1,764	1,885	2,354	17,634	2,466
Arizona	2,814	4,430	6,699	6,804	32,940	4,642
Arkansas	2,440	4,140	5,736	7,417	36,245	5,037
California	39,017	62,814	65,301	66,689	568,496	65,679
Colorado	11,312	14,576	16,327	18,989	111,748	14,763
Connecticut	3,216	5,018	7,692	6,947	38,364	4,810
Delaware	985	1,178	1,661	1,800	8,862	1,116
District of Columbia	1,232	1,691	3,013	2,698	14,147	1,714
Florida	1,140	1,631	2,492	2,171	13,797	1,572
Georgia	8,727	11,080	17,688	26,740	98,777	18,610
Hawaii	46	48	49	48	524	42
Idaho	1,663	2,210	2,602	3,317	17,912	2,514
Illinois	35,416	45,616	63,987	84,522	445,217	73,482
Indiana	12,785	16,174	25,965	30,851	151,529	22,735
Iowa	5,392	7,679	10,990	14,061	71,430	10,631
Kansas	5,750	8,189	11,842	13,164	68,146	9,040
Kentucky	4,135	6,224	8,287	13,682	59,220	10,790
Louisiana	3,693	4,355	7,622	8,736	45,104	5,940
Maine	89	123	122	202	957	151
Maryland	6,430	8,673	14,316	14,658	74,848	10,665
Massachusetts	10,228	13,787	21,025	18,756	105,709	16,601
Michigan	32,413	42,048	58,759	63,259	350,735	47,495
Minnesota	9,700	12,806	17,941	24,845	118,938	18,639
Mississippi	1,836	2,481	4,931	4,827	24,562	3,314
Missouri	9,181	12,838	21,101	21,157	112,042	14,535
Montana	1,514	2,231	2,729	3,119	19,676	2,840
Nebraska	4,515	5,735	6,728	7,223	40,588	5,137
Nevada	2,027	3,711	3,861	4,985	28,772	4,396
New Hampshire	641	973	1,274	1,316	6,613	783
New Jersey	17,683	25,174	37,760	37,980	209,399	22,890
New Mexico	3,438	3,447	4,437	5,183	35,548	6,263
New York	38,607	49,718	70,995	66,669	370,711	46,142
North Carolina	4,531	7,685	13,396	11,216	52,853	6,912
North Dakota	929	1,323	1,698	1,977	10,573	1,380
Ohio	27,892	37,454	52,516	62,083	318,214	46,532
Oklahoma	4,993	7,170	11,476	11,008	61,611	7,670
Oregon	3,493	5,032	5,678	6,643	38,564	5,391
Pennsylvania	21,602	29,809	43,373	48,155	241,468	34,106
Rhode Island	1,812	2,581	3,500	2,857	16,601	1,736
South Carolina	1,917	2,877	6,438	5,552	25,669	3,799
South Dakota	1,059	1,360	1,772	2,149	11,766	1,628
Tennessee	4,786	6,693	13,063	13,458	60,561	8,802
Texas	14,250	17,287	31,342	33,292	175,907	22,736
Utah	2,967	6,792	7,038	8,319	55,474	9,614
Vermont	268	396	510	465	2,565	293
Virginia	5,429	8,242	13,778	14,846	69,189	10,575
Washington	6,483	8,965	10,074	11,338	71,704	9,745
West Virginia	2,496	3,825	6,316	5,843	31,403	4,195
Wisconsin	11,182	13,084	18,644	25,439	127,607	21,737
Wyoming	1,227	1,441	1,666	1,661	12,106	1,568
Total	400,006	549,269	777,585	859,938	4,725,672	659,606

R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.
 See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				June	May	April
Alabama	16,720	14,395	15,449	1,157	1,457	2,248
Alaska	9,291	11,133	15,029	873	1,279	1,410
Arizona	18,303	18,574	18,298	1,972	2,317	2,810
Arkansas	NA	17,395	17,722	NA	NA	NA
California	135,538	128,742	142,082	15,716	16,985	26,490
Colorado	45,812	37,492	37,917	2,917	4,718	6,845
Connecticut	NA	27,768	28,121	NA	2,386	4,268
Delaware	4,321	3,354	4,233	242	312	663
District of Columbia	10,805	10,708	11,561	851	1,119	1,937
Florida	27,857	26,162	21,167	3,760	4,104	4,379
Georgia	NA	32,035	27,155	2,174	2,443	NA
Hawaii	905	897	885	151	145	150
Idaho	8,925	7,701	7,940	660	922	1,193
Illinois	117,759	111,475	115,207	7,067	7,787	12,159
Indiana	NA	48,847	47,579	NA	NA	NA
Iowa	30,060	25,992	28,243	1,425	1,811	3,538
Kansas	26,417	23,398	24,704	1,282	1,491	3,107
Kentucky	23,031	21,581	22,226	937	1,402	2,360
Louisiana	NA	14,124	14,367	1,742	1,861	2,238
Maine	NA	1,680	1,544	NA	118	0
Maryland	33,216	35,634	35,613	2,415	2,905	4,619
Massachusetts	40,430	38,410	43,633	2,725	3,908	6,724
Michigan	117,019	112,284	114,539	6,157	8,669	16,610
Minnesota	59,240	53,105	53,311	3,170	4,156	7,444
Mississippi	13,516	11,693	11,805	1,019	1,175	1,579
Missouri	44,394	38,298	41,363	2,206	2,705	5,395
Montana	8,534	7,721	7,491	492	767	1,254
Nebraska	18,119	17,197	18,650	1,132	1,508	2,814
Nevada	13,094	13,543	12,963	1,347	1,553	1,970
New Hampshire	NA	5,178	4,669	NA	510	990
New Jersey	124,031	125,314	106,685	5,512	9,582	17,571
New Mexico	15,626	15,395	16,009	1,087	1,420	2,600
New York	193,080	NA	197,357	30,702	29,525	25,816
North Carolina	24,487	25,426	23,758	1,594	2,047	3,190
North Dakota	6,140	6,275	6,462	280	400	810
Ohio	127,253	111,952	108,234	5,920	8,248	16,115
Oklahoma	30,663	23,094	25,612	2,379	2,319	4,146
Oregon	20,468	17,277	18,233	3,956	2,032	2,755
Pennsylvania	NA	87,528	87,573	5,025	6,623	12,504
Rhode Island	8,596	8,322	7,561	511	743	1,382
South Carolina	12,587	12,352	11,923	1,109	1,317	1,834
South Dakota	6,126	5,907	6,201	322	410	802
Tennessee	NA	32,211	32,948	NA	2,173	4,400
Texas	188,118	94,698	94,819	20,887	35,525	22,989
Utah	18,318	16,581	17,600	973	1,385	2,538
Vermont	1,698	1,680	1,510	108	136	276
Virginia	NA	36,148	36,903	2,553	3,035	NA
Washington	38,136	30,531	31,288	9,848	3,863	4,948
West Virginia	NA	16,032	16,127	1,430	1,341	2,849
Wisconsin	NA	45,068	49,345	NA	NA	5,576
Wyoming	7,627	5,693	6,232	344	469	1,195
Total	2,017,434	1,854,892	1,847,844	168,691	200,189	273,705

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001			2000		
	March	February	January	Total	December	November
Alabama	2,858	3,782	5,218	24,444	3,651	1,845
Alaska	1,894	1,839	1,995	21,219	2,484	2,103
Arizona	3,466	3,759	3,981	32,525	3,681	2,424
Arkansas	NA	NA	NA	33,950	6,310	4,030
California	22,690	25,858	27,800	245,931	25,063	23,524
Colorado	9,385	10,179	11,768	62,827	10,012	6,022
Connecticut	5,652	5,993	6,697	48,943	6,638	4,379
Delaware	1,007	952	1,145	5,163	709	424
District of Columbia	2,198	2,271	2,429	17,724	2,176	1,239
Florida	4,637	5,429	5,549	49,326	4,957	4,117
Georgia	6,576	6,486	10,029	60,237	11,824	6,318
Hawaii	154	151	154	1,771	145	152
Idaho	1,594	2,238	2,318	13,261	2,097	1,410
Illinois	26,168	30,068	34,511	201,517	37,496	21,391
Indiana	NA	NA	NA	86,815	16,785	8,512
Iowa	6,633	7,762	8,891	46,335	9,104	4,893
Kansas	5,747	6,595	8,195	40,189	7,209	3,413
Kentucky	4,906	5,480	7,947	38,973	8,027	4,117
Louisiana	NA	3,437	4,456	825,477	3,581	2,143
Maine	0	0	0	2,690	439	249
Maryland	6,629	7,092	9,556	59,103	8,426	5,101
Massachusetts	8,588	8,839	9,648	63,246	8,299	5,129
Michigan	25,979	27,509	32,095	183,804	29,165	15,101
Minnesota	13,019	15,176	16,275	94,585	16,769	10,487
Mississippi	2,486	3,000	4,257	21,373	3,341	1,805
Missouri	9,201	10,942	13,945	63,587	10,923	5,128
Montana	965	2,796	2,261	13,298	2,080	1,459
Nebraska	4,218	4,666	3,782	28,734	5,255	2,121
Nevada	2,549	2,817	2,858	25,150	2,753	2,395
New Hampshire	1,201	1,405	1,187	8,338	977	931
New Jersey	25,057	30,057	36,251	207,407	29,779	15,977
New Mexico	2,510	3,989	4,021	27,280	3,854	2,527
New York	33,461	36,187	37,390	NA	36,044	30,310
North Carolina	4,630	5,346	7,680	43,235	6,845	3,985
North Dakota	1,078	1,791	1,780	10,913	1,984	1,149
Ohio	27,194	32,534	37,242	183,650	29,626	17,192
Oklahoma	5,609	6,964	9,246	40,417	6,865	3,223
Oregon	3,470	3,967	4,288	28,424	4,043	2,451
Pennsylvania	NA	NA	NA	145,582	23,174	13,146
Rhode Island	1,882	1,930	2,149	13,167	1,775	1,012
South Carolina	2,195	2,542	3,589	21,928	3,097	1,773
South Dakota	1,404	1,676	1,512	10,235	1,933	1,078
Tennessee	6,121	7,729	11,835	825,774	8,613	4,426
Texas	29,807	35,900	43,011	176,735	23,690	14,029
Utah	3,315	4,551	5,556	31,249	5,189	4,323
Vermont	356	374	447	2,595	327	212
Virginia	7,199	7,950	10,207	63,511	9,687	6,306
Washington	5,683	6,745	7,049	51,943	6,645	5,846
West Virginia	NA	3,687	4,508	27,477	3,637	2,292
Wisconsin	12,678	12,640	13,749	81,652	15,693	9,227
Wyoming	1,891	2,120	1,608	9,738	1,356	1,075
Total	395,181	451,368	528,300	3,259,187	474,230	293,920

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	October	September	August	July	June	May
Alabama	1,380	1,087	1,038	1,047	1,147	1,404
Alaska	2,105	1,278	1,079	1,036	844	1,477
Arizona	2,035	1,929	1,894	1,988	2,144	2,327
Arkansas	1,591	1,160	1,996	1,470	1,601	1,721
California	16,991	17,718	17,651	16,242	16,016	17,080
Colorado	3,486	1,904	1,846	2,064	2,568	3,561
Connecticut	3,146	2,232	2,329	2,450	2,271	3,341
Delaware	236	58	186	196	229	354
District of Columbia	959	894	861	889	985	1,347
Florida	3,661	3,571	3,354	3,503	3,580	3,924
Georgia	3,216	2,384	2,213	2,248	2,369	2,709
Hawaii	146	145	141	146	151	148
Idaho	687	502	414	451	545	672
Illinois	10,573	7,562	6,730	6,291	6,371	8,308
Indiana	4,527	3,197	2,519	2,427	2,525	3,641
Iowa	2,290	1,503	1,110	1,443	1,316	2,561
Kansas	1,763	1,540	1,397	1,470	1,430	1,745
Kentucky	1,823	1,263	1,074	1,089	1,181	1,529
Louisiana	1,553	1,340	1,379	1,357	1,551	1,721
Maine	154	81	0	85	81	104
Maryland	2,922	2,569	2,215	2,235	2,799	3,752
Massachusetts	3,223	3,377	2,311	2,495	3,051	4,302
Michigan	9,202	6,583	6,066	5,403	6,852	10,284
Minnesota	5,033	3,219	3,029	2,944	2,934	4,057
Mississippi	1,354	1,132	1,028	1,019	992	1,296
Missouri	3,219	1,862	2,024	2,131	2,221	3,115
Montana	816	449	351	423	500	719
Nebraska	1,234	1,004	960	963	1,325	1,536
Nevada	1,744	1,473	1,455	1,787	1,628	1,772
New Hampshire	417	295	276	263	342	483
New Jersey	9,267	5,899	15,791	5,381	8,210	7,078
New Mexico	1,500	1,573	1,132	1,299	1,965	1,709
New York	29,733	31,292	29,967	29,505	28,997	30,876
North Carolina	2,197	1,698	1,553	1,531	1,900	1,926
North Dakota	570	330	329	275	358	517
Ohio	8,767	5,450	5,291	5,372	5,712	8,913
Oklahoma	1,903	1,787	1,771	1,774	1,424	2,226
Oregon	1,414	1,147	1,012	1,079	1,416	1,792
Pennsylvania	7,866	5,130	4,480	4,258	5,073	6,672
Rhode Island	675	484	452	448	548	738
South Carolina	1,332	1,161	1,101	1,111	1,168	1,356
South Dakota	482	293	254	287	334	528
Tennessee	2,510	2,325	1,861	1,828	2,129	2,515
Texas	10,779	11,026	11,634	10,880	11,059	12,556
Utah	1,989	1,301	913	953	952	1,237
Vermont	127	87	82	81	102	161
Virginia	3,705	2,663	2,592	2,411	2,700	3,429
Washington	2,637	2,152	1,977	2,154	2,789	3,490
West Virginia	1,697	1,270	1,298	1,249	1,303	1,760
Wisconsin	4,380	2,582	2,525	2,177	2,395	3,675
Wyoming	630	382	299	303	337	541
Total	185,645	153,346	155,242	141,911	152,420	184,687

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000				1999	
	April	March	February	January	Total	December
Alabama	1,898	2,371	3,966	3,610	27,586	3,204
Alaska	1,688	2,242	2,070	2,812	27,667	3,427
Arizona	2,877	3,496	3,632	4,098	31,369	3,463
Arkansas	1,492	4,194	3,974	4,413	27,898	3,428
California	20,301	24,605	24,313	26,427	248,028	20,552
Colorado	5,941	7,537	8,468	9,418	59,355	6,894
Connecticut	3,783	5,601	7,072	5,700	47,646	5,312
Delaware	502	453	874	942	6,121	649
District of Columbia	1,717	2,045	2,274	2,340	17,846	1,510
Florida	4,240	4,580	4,816	5,023	36,351	3,140
Georgia	4,231	5,151	7,410	10,166	43,593	6,306
Hawaii	146	150	149	153	1,749	147
Idaho	1,120	1,486	1,722	2,156	12,656	1,672
Illinois	15,383	19,454	27,375	34,585	188,567	27,028
Indiana	6,486	8,474	12,980	14,741	73,691	9,995
Iowa	3,336	4,411	6,245	8,123	44,895	6,411
Kansas	3,025	4,385	6,060	6,754	38,954	4,551
Kentucky	2,569	3,778	5,748	6,775	35,801	5,393
Louisiana	2,117	2,343	3,154	3,238	24,556	2,637
Maine	271	341	361	522	2,547	353
Maryland	5,006	6,603	8,382	9,093	58,159	6,770
Massachusetts	5,854	7,325	10,356	7,522	65,137	6,066
Michigan	16,304	21,785	26,708	30,349	179,383	23,091
Minnesota	7,529	9,700	12,291	16,595	88,078	12,775
Mississippi	1,564	1,889	3,051	2,902	20,209	2,463
Missouri	4,659	7,275	10,534	10,494	63,107	7,676
Montana	1,073	1,485	1,791	2,152	12,094	1,575
Nebraska	2,418	3,288	4,106	4,524	27,586	3,034
Nevada	1,975	2,632	2,517	3,019	22,747	2,700
New Hampshire	728	994	1,314	1,317	7,214	901
New Jersey	18,072	26,757	34,181	31,016	163,760	16,125
New Mexico	1,576	3,042	3,255	3,847	27,271	3,671
New York	NA	56,627	38,758	30,854	360,763	38,075
North Carolina	2,972	4,856	7,227	6,545	38,019	4,405
North Dakota	870	1,191	1,541	1,797	10,026	1,276
Ohio	15,017	22,401	28,924	30,984	167,974	22,416
Oklahoma	3,148	4,453	6,208	5,635	39,739	4,267
Oregon	2,372	3,466	3,833	4,399	28,562	3,292
Pennsylvania	11,394	16,034	23,489	24,866	143,296	19,167
Rhode Island	1,321	1,539	2,137	2,037	11,815	1,017
South Carolina	1,644	2,047	3,190	2,948	20,569	2,398
South Dakota	716	1,344	1,367	1,617	9,567	1,226
Tennessee	3,819	4,643	8,850	10,255	52,581	5,891
Texas	13,786	15,367	20,857	21,072	171,715	20,487
Utah	1,990	3,890	3,901	4,611	30,490	4,919
Vermont	227	337	428	425	2,309	247
Virginia	5,009	6,571	9,058	9,381	61,542	7,710
Washington	4,718	5,867	6,617	7,050	50,846	6,272
West Virginia	2,192	3,220	3,650	3,907	27,306	3,383
Wisconsin	6,327	8,043	10,427	14,201	81,726	12,346
Wyoming	889	1,438	1,115	1,373	9,848	1,211
Total	263,067	363,207	432,728	458,783	3,050,313	362,928

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				June	May	April
Alabama	85,754	105,149	101,507	13,425	14,493	14,024
Alaska	35,949	38,834	37,492	5,235	5,728	6,151
Arizona	13,672	12,326	13,796	2,266	2,379	2,002
Arkansas	NA	NA	71,945	NA	9,809	10,024
California	674,597	580,061	458,118	113,462	114,391	110,102
Colorado	61,658	48,121	39,933	8,162	9,225	11,174
Connecticut	12,919	18,178	15,762	2,111	2,302	2,065
Delaware	10,034	14,159	10,605	1,407	1,208	1,687
District of Columbia	0	0	0	0	0	0
Florida	61,653	72,878	69,981	10,326	10,925	10,437
Georgia	NA	87,531	101,163	11,733	12,021	NA
Hawaii	277	273	220	46	46	47
Idaho ^a	15,971	16,892	17,685	2,286	2,320	2,661
Illinois	157,117	162,644	159,607	20,129	24,389	23,815
Indiana	136,372	163,746	163,596	19,065	19,635	20,256
Iowa	50,449	52,235	54,229	6,987	7,912	8,120
Kansas	46,114	52,396	48,486	6,545	5,682	7,543
Kentucky	46,317	50,150	48,393	6,000	6,117	9,256
Louisiana	525,043	491,137	435,450	80,184	82,631	91,609
Maine	NA	1,815	1,172	NA	R317	R0
Maryland	19,345	22,017	20,609	3,458	3,072	3,100
Massachusetts	73,181	80,544	77,644	10,866	R12,359	R11,603
Michigan	157,582	171,560	158,879	21,823	22,132	26,777
Minnesota	43,961	53,639	55,045	5,750	5,771	7,290
Mississippi	49,203	58,919	60,653	7,475	7,919	7,940
Missouri	37,080	37,538	31,096	4,496	4,620	5,627
Montana	11,209	12,735	13,121	1,227	1,228	R1,867
Nebraska	17,332	19,637	20,869	2,615	2,590	3,156
Nevada	21,035	20,393	16,935	3,878	2,622	2,322
New Hampshire	NA	2,642	3,087	NA	R397	R163
New Jersey	82,239	102,840	111,081	21,376	9,178	12,564
New Mexico	17,174	13,073	13,168	3,297	3,553	3,296
New York	149,837	182,458	148,803	24,819	22,445	25,583
North Carolina	41,090	59,704	52,871	7,026	6,697	6,704
North Dakota	10,160	8,047	9,679	2,014	1,855	2,198
Ohio	155,258	175,579	173,436	19,767	R20,690	23,206
Oklahoma	72,732	90,370	93,031	10,182	12,669	12,464
Oregon	49,730	54,521	52,516	7,633	R7,637	R8,199
Pennsylvania	110,041	131,800	125,009	14,678	R16,610	R17,920
Rhode Island	25,508	25,568	28,416	4,852	5,197	3,625
South Carolina	35,361	52,046	51,227	6,245	6,103	6,097
South Dakota	4,385	2,584	2,526	513	822	866
Tennessee	66,496	70,004	73,129	8,885	10,118	12,554
Texas	870,275	1,012,283	878,612	121,042	143,541	140,749
Utah	18,065	21,600	20,286	2,866	2,965	3,001
Vermont	1,343	1,933	1,467	176	261	242
Virginia	33,264	48,438	44,366	4,659	5,793	4,896
Washington	67,757	67,154	55,595	10,633	R11,763	R11,415
West Virginia	NA	23,679	22,280	NA	NA	3,335
Wisconsin	NA	85,083	76,909	NA	NA	11,397
Wyoming	13,483	26,920	17,140	2,398	2,339	2,155
Total	4,423,535	4,775,112	4,358,624	664,769	R696,691	R727,458

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001			2000		
	March	February	January	Total	December	November
Alabama	15,721	14,026	14,066	197,493	15,923	15,543
Alaska	6,487	5,805	6,543	77,997	6,502	5,386
Arizona	2,267	2,460	2,298	25,362	2,462	2,214
Arkansas	10,593	NA	10,397	NA	11,767	10,684
California	109,447	108,390	118,805	1,353,135	108,187	111,473
Colorado	10,717	10,249	12,131	93,475	10,186	7,715
Connecticut	2,199	2,053	2,189	33,771	2,872	2,933
Delaware	1,801	1,980	1,952	R25,587	2,050	1,921
District of Columbia	0	0	0	0	0	0
Florida	10,251	9,233	10,481	138,734	9,526	11,278
Georgia	13,094	11,511	10,835	168,967	11,998	12,651
Hawaii	44	43	51	536	43	47
Idaho ^a	2,777	2,826	3,101	32,311	2,788	2,799
Illinois	29,170	29,292	30,323	304,260	31,753	26,971
Indiana	25,296	24,195	27,925	312,764	30,031	25,843
Iowa	9,066	8,810	9,554	101,801	10,096	9,167
Kansas	8,424	8,460	9,461	NA	7,929	NA
Kentucky	6,846	8,047	10,049	94,035	8,513	8,153
Louisiana	96,285	86,299	88,034	1,054,215	98,294	99,242
Maine	R0	R0	R0	3,927	581	496
Maryland	3,649	2,909	3,157	45,526	4,095	4,023
Massachusetts	R11,651	R13,239	R13,462	154,775	15,220	12,208
Michigan	29,494	27,728	29,628	302,850	29,438	23,396
Minnesota	8,357	8,061	8,734	101,613	9,411	9,281
Mississippi	9,236	6,432	R10,201	110,244	9,003	8,951
Missouri	5,699	7,933	8,705	70,281	7,376	6,138
Montana	R2,220	R2,222	R2,444	23,195	2,410	2,178
Nebraska	2,770	2,967	3,235	42,968	3,351	3,124
Nevada	3,628	4,466	R4,120	46,918	5,059	4,380
New Hampshire	R378	R336	R340	4,470	357	274
New Jersey	12,780	13,187	13,155	196,705	12,923	14,895
New Mexico	2,464	2,363	2,202	27,568	2,288	2,197
New York	26,460	25,367	25,164	358,238	31,075	30,087
North Carolina	7,491	6,309	6,863	111,395	8,113	9,503
North Dakota	1,231	1,553	1,310	14,939	1,187	1,216
Ohio	28,172	28,382	35,041	328,060	30,731	29,103
Oklahoma	12,596	14,486	10,335	R160,576	10,745	R11,542
Oregon	R8,910	9,919	7,431	104,116	7,332	8,241
Pennsylvania	R20,257	19,959	20,619	246,914	21,574	20,589
Rhode Island	5,389	2,954	3,491	48,314	7,136	4,109
South Carolina	6,657	5,548	4,712	96,846	6,324	8,208
South Dakota	861	720	602	6,331	667	771
Tennessee	11,605	11,208	12,126	141,211	13,340	12,516
Texas	164,043	147,429	153,471	2,074,500	182,166	173,229
Utah	2,766	3,278	3,190	39,956	2,911	3,357
Vermont	309	183	172	3,949	228	403
Virginia	4,722	6,321	6,874	94,920	11,812	6,881
Washington	R11,824	R11,331	R10,791	NA	NA	R11,501
West Virginia	NA	R3,457	3,749	44,122	3,711	3,236
Wisconsin	19,281	16,412	16,149	160,022	18,318	14,391
Wyoming	1,804	1,719	3,068	44,303	3,326	3,994
Total	R790,866	R751,016	R792,735	R9,609,920	842,007	R807,154

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	October	September	August	July	June	May
Alabama	15,384	14,552	15,710	15,230	16,075	17,293
Alaska	5,724	5,030	9,259	7,262	6,129	5,172
Arizona	1,960	2,075	2,086	2,240	2,122	2,183
Arkansas	11,594	^b 10,209	10,228	9,123	NA	^b 11,206
California	134,931	130,217	154,946	133,321	122,049	107,156
Colorado	6,985	7,189	6,841	6,437	7,145	6,508
Connecticut	2,261	2,371	3,074	2,082	2,414	2,135
Delaware	2,388	1,810	1,568	1,691	2,072	2,315
District of Columbia	0	0	0	0	0	0
Florida	10,647	10,741	12,048	11,615	11,690	12,631
Georgia	13,317	13,624	14,922	14,924	14,641	16,574
Hawaii	46	40	42	46	46	47
Idaho ^a	2,763	2,491	2,220	2,357	2,532	2,656
Illinois	22,206	20,724	20,304	19,658	20,306	22,174
Indiana	24,340	22,899	23,643	22,262	23,192	24,205
Iowa	8,330	7,765	7,425	6,782	7,808	7,124
Kansas	7,535	11,035	11,359	10,522	9,042	8,459
Kentucky	7,117	6,928	6,737	6,438	6,704	6,870
Louisiana	99,601	92,327	101,242	72,372	72,409	79,893
Maine	334	246	229	224	239	243
Maryland	3,873	3,668	3,914	3,936	3,643	3,669
Massachusetts	13,020	9,815	11,893	12,075	11,549	13,789
Michigan	20,906	19,853	19,004	18,692	21,784	25,697
Minnesota	7,329	8,599	6,905	6,447	9,876	4,967
Mississippi	8,758	7,875	8,774	7,964	7,846	9,219
Missouri	7,491	3,438	3,277	5,023	5,159	5,401
Montana	1,691	1,517	1,299	1,365	1,646	1,513
Nebraska	2,699	5,555	2,902	5,701	3,569	2,766
Nevada	4,768	4,400	4,741	3,178	3,555	4,344
New Hampshire	336	290	293	278	328	436
New Jersey	16,318	15,418	14,210	20,102	16,243	17,237
New Mexico	2,366	2,678	2,678	2,289	2,136	2,014
New York	27,215	30,919	29,437	27,047	26,934	27,880
North Carolina	8,986	7,996	8,796	8,298	9,418	9,567
North Dakota	1,474	1,209	1,228	578	1,960	1,010
Ohio	24,705	22,828	22,658	22,456	23,092	25,314
Oklahoma	^b 10,654	^b 12,466	^b 12,176	^b 12,624	^b 15,547	^b 14,788
Oregon	8,822	8,621	8,363	8,215	8,263	8,195
Pennsylvania	18,540	17,958	18,668	17,786	18,587	18,868
Rhode Island	3,894	2,165	2,276	3,166	2,866	3,489
South Carolina	7,672	7,041	7,992	7,562	7,262	8,814
South Dakota	408	605	735	561	497	341
Tennessee	12,126	11,130	11,399	10,696	10,705	10,810
Texas	176,593	171,604	189,205	169,420	182,767	184,646
Utah	3,207	2,825	3,013	3,042	3,037	3,657
Vermont	384	370	310	321	331	303
Virginia	5,634	6,806	6,795	8,554	8,687	7,079
Washington	14,687	^b 13,371	13,817	11,939	12,041	10,201
West Virginia	3,218	3,382	3,431	3,465	3,475	3,713
Wisconsin	11,899	10,487	10,438	9,405	9,914	10,637
Wyoming	2,387	2,776	2,565	2,335	2,962	4,128
Total	^b809,520	^b779,940	^b837,077	^b759,109	^b771,903	^b779,337

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000				1999	
	April	March	February	January	Total	December
Alabama	17,949	18,233	17,653	17,947	204,263	18,145
Alaska	6,766	7,192	6,390	7,185	74,224	6,892
Arizona	1,690	2,173	2,076	2,081	27,032	2,328
Arkansas	¶11,704	¶12,582	¶12,916	¶13,263	145,140	13,359
California	82,233	86,700	86,174	95,749	1,109,359	88,595
Colorado	8,403	8,225	9,012	8,828	80,747	7,483
Connecticut	2,851	3,619	3,437	3,722	32,039	3,562
Delaware	2,561	¶2,504	2,252	2,455	21,075	2,289
District of Columbia	0	0	0	0	0	0
Florida	12,521	12,666	11,187	12,183	140,740	11,568
Georgia	14,182	15,018	14,023	13,093	159,851	13,605
Hawaii	44	46	45	44	463	42
Idaho ^a	2,783	2,904	2,883	3,135	33,846	3,034
Illinois	24,982	29,119	31,511	34,552	306,110	31,246
Indiana	25,123	28,207	29,449	33,569	319,890	30,943
Iowa	8,386	9,247	9,560	10,110	101,940	8,824
Kansas	8,156	8,683	8,342	9,714	97,469	8,512
Kentucky	8,372	8,359	9,983	9,863	93,814	8,881
Louisiana	75,327	83,095	85,238	95,174	875,878	78,766
Maine	335	315	356	327	2,550	281
Maryland	3,533	3,956	3,448	3,767	42,190	4,157
Massachusetts	13,169	14,969	17,567	9,501	157,579	15,463
Michigan	28,316	31,364	32,003	32,396	301,326	30,250
Minnesota	8,500	8,894	10,977	10,425	104,187	9,692
Mississippi	9,977	10,496	10,107	11,275	120,201	11,166
Missouri	5,729	6,936	7,402	6,911	64,856	7,635
Montana	2,187	2,377	2,713	2,298	23,036	2,321
Nebraska	3,148	3,343	3,438	3,373	45,750	2,770
Nevada	3,906	2,904	2,878	2,805	34,075	3,276
New Hampshire	446	558	421	453	5,912	413
New Jersey	16,281	16,889	18,009	18,181	206,898	18,483
New Mexico	2,131	2,701	1,929	2,161	26,430	3,290
New York	32,643	39,518	28,916	26,567	296,358	24,949
North Carolina	9,329	11,298	9,478	10,614	108,835	11,910
North Dakota	1,368	1,242	1,186	1,282	17,561	1,418
Ohio	28,145	30,732	32,879	35,417	330,931	31,093
Oklahoma	¶15,197	¶14,218	¶13,968	¶16,653	177,811	13,570
Oregon	9,181	9,176	9,451	10,256	107,984	10,596
Pennsylvania	22,194	25,628	22,112	24,411	240,622	22,267
Rhode Island	4,147	4,005	4,993	6,068	55,517	5,183
South Carolina	9,128	9,720	8,630	8,493	102,681	9,398
South Dakota	391	410	474	471	5,043	443
Tennessee	12,619	11,373	12,515	11,982	144,639	11,169
Texas	174,529	144,219	164,715	161,407	1,952,400	201,874
Utah	3,614	3,861	3,661	3,771	40,859	3,844
Vermont	353	350	357	240	2,901	337
Virginia	8,586	7,136	9,755	7,194	101,368	15,247
Washington	9,417	11,412	11,367	12,715	126,799	14,480
West Virginia	3,675	4,101	4,212	4,503	44,857	4,370
Wisconsin	13,471	15,210	16,845	19,006	146,428	15,881
Wyoming	4,885	4,361	5,573	5,009	38,475	3,536
Total	¶774,562	¶792,246	¶814,465	¶842,600	9,000,936	848,837

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^b Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				June	May	April
Alabama	23,598	11,510	6,542	6,482	4,641	3,331
Alaska	16,104	17,285	14,635	2,437	2,265	2,433
Arizona	61,915	29,371	20,351	10,322	13,167	11,380
Arkansas	NA	19,089	16,262	1,428	1,753	2,511
California	65,394	52,904	82,036	9,909	10,925	11,287
Colorado	22,216	12,438	8,260	4,241	3,905	3,979
Connecticut	0	0	3,357	0	0	0
Delaware	49	4,269	9,028	21	5	5
District of Columbia	0	0	0	0	0	0
Florida	124,119	168,356	135,365	31,497	25,687	23,007
Georgia	3,705	7,604	6,429	1,262	1,154	1,138
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,111	1,053	19,763	441	312	74
Indiana	2,780	1,989	2,875	630	141	412
Iowa	2,097	1,886	1,725	483	545	362
Kansas	6,989	11,103	14,609	2,043	1,586	988
Kentucky	1,169	2,095	1,490	351	306	205
Louisiana	99,922	133,467	151,213	20,017	19,898	20,504
Maine	0	0	0	0	0	0
Maryland	5	10,611	4,543	1	1	0
Massachusetts	497	1,758	4,288	125	226	57
Michigan	10,304	22,404	25,103	2,785	1,061	638
Minnesota	1,733	2,008	2,938	446	418	282
Mississippi	34,549	47,579	44,363	8,776	8,837	8,249
Missouri	9,682	10,828	5,627	2,764	2,188	2,192
Montana	33	65	110	19	7	1
Nebraska	1,541	1,431	1,453	441	323	330
Nevada	38,517	31,924	28,956	5,526	6,724	5,595
New Hampshire	1	783	89	0	0	0
New Jersey	476	11,430	8,257	252	86	61
New Mexico	19,563	19,789	15,679	4,229	4,023	4,031
New York	26,970	52,878	89,367	9,056	5,225	4,271
North Carolina	1,518	4,321	1,933	1,017	315	152
North Dakota	2	0	0	0	1	0
Ohio	2,335	3,753	4,835	589	810	423
Oklahoma	62,487	71,981	76,077	15,635	11,818	10,440
Oregon	23,112	14,039	6,690	4,264	3,452	3,333
Pennsylvania	1,102	1,693	3,518	373	370	109
Rhode Island	0	0	0	0	0	0
South Carolina	463	1,439	660	281	94	47
South Dakota	2,739	812	1,190	455	654	633
Tennessee	25	1,158	797	23	0	0
Texas	450,864	579,754	534,441	103,980	93,384	79,731
Utah	8,388	4,046	2,507	1,362	1,503	1,489
Total	1,177,539	1,395,307	1,376,192	260,613	235,381	210,784

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2001			2000		
	March	February	January	Total	December	November
Alabama	3,623	1,845	3,677	36,344	2,801	2,884
Alaska	2,962	2,844	3,163	35,570	3,503	3,192
Arizona	10,355	9,845	6,845	92,019	8,870	9,180
Arkansas	1,164	NA	1,668	34,603	1,697	1,240
California	10,539	10,510	12,223	129,449	10,220	9,776
Colorado	4,286	3,128	2,677	32,148	3,568	2,727
Connecticut	0	0	0	0	0	0
Delaware	5	6	7	4,337	5	5
District of Columbia	0	0	0	0	0	0
Florida	18,266	11,945	13,717	316,486	14,992	17,873
Georgia	91	36	24	21,447	58	327
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	81	92	110	2,764	130	156
Indiana	188	939	470	7,754	1,986	282
Iowa	323	173	211	4,735	257	255
Kansas	997	638	736	33,509	1,239	1,227
Kentucky	194	51	61	4,073	519	359
Louisiana	13,251	11,918	14,334	292,002	17,809	17,447
Maine	0	0	0	0	0	0
Maryland	0	0	2	20,665	109	1,864
Massachusetts	71	8	10	3,190	23	201
Michigan	1,739	1,565	2,516	43,548	3,891	3,325
Minnesota	253	131	203	5,411	413	335
Mississippi	3,489	1,703	3,494	89,110	4,617	3,896
Missouri	1,411	654	474	30,480	1,161	650
Montana	4	0	1	192	25	8
Nebraska	293	107	48	5,508	316	319
Nevada	7,607	5,726	7,338	80,037	7,380	7,343
New Hampshire	0	0	0	783	0	0
New Jersey	56	21	0	16,952	54	26
New Mexico	3,334	2,465	1,482	38,080	1,757	1,601
New York	3,062	2,923	2,434	95,812	3,242	5,006
North Carolina	27	0	7	9,579	4	210
North Dakota	0	0	0	0	0	0
Ohio	340	101	73	6,791	250	323
Oklahoma	9,542	6,291	8,762	169,031	11,350	8,367
Oregon	3,425	5,099	3,539	41,500	5,761	4,121
Pennsylvania	93	92	64	2,955	79	193
Rhode Island	0	0	0	0	0	0
South Carolina	10	8	23	2,814	14	55
South Dakota	599	302	97	3,607	311	412
Tennessee	2	0	0	1,829	14	43
Texas	61,306	52,505	59,958	1,245,008	72,445	67,697
Utah	1,380	1,389	1,265	10,544	1,182	1,048
Vermont	6	3	31	1,023	18	116
Virginia	78	22	62	15,923	235	433
Washington	5,674	5,604	4,084	41,173	2,829	4,978
West Virginia	18	16	19	425	33	26
Wisconsin	1,015	1,296	570	12,043	1,436	658
Wyoming	269	229	229	1,843	239	135
Total	171,432	142,622	156,708	3,043,094	186,846	180,318

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	October	September	August	July	June	May
Alabama	1,786	3,225	7,664	6,473	4,484	3,825
Alaska	3,101	2,874	2,819	2,797	2,699	2,831
Arizona	8,454	10,500	14,122	11,522	8,958	6,904
Arkansas	550	2,346	5,039	4,641	3,986	3,902
California	10,078	13,583	17,611	15,277	13,724	9,877
Colorado	2,651	3,071	4,115	3,577	2,716	2,585
Connecticut	0	0	0	0	0	0
Delaware	1	13	27	17	1,126	1,307
District of Columbia	0	0	0	0	0	0
Florida	23,037	27,763	32,193	32,272	28,482	31,636
Georgia	466	1,941	5,018	6,032	3,627	3,448
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	129	279	502	515	264	359
Indiana	627	1,193	988	689	238	477
Iowa	251	486	972	628	326	581
Kansas	1,321	3,667	8,932	6,020	2,170	2,730
Kentucky	194	133	464	307	417	767
Louisiana	20,551	27,576	40,290	34,861	29,575	28,352
Maine	0	0	0	0	0	0
Maryland	1,594	1,308	3,029	2,150	4,187	2,603
Massachusetts	247	171	508	281	344	449
Michigan	2,942	2,805	5,522	2,659	4,210	4,754
Minnesota	289	268	1,308	790	613	440
Mississippi	3,745	6,197	11,679	11,398	9,777	10,434
Missouri	1,405	3,470	8,384	4,583	2,511	2,932
Montana	0	5	55	32	19	8
Nebraska	410	586	1,519	926	478	471
Nevada	8,092	7,974	9,610	7,714	7,471	5,848
New Hampshire	0	0	0	0	0	2
New Jersey	34	100	2,619	2,689	4,157	3,335
New Mexico	2,414	3,002	4,929	4,589	3,227	3,567
New York	6,021	6,761	8,748	13,156	11,315	10,633
North Carolina	204	736	2,273	1,831	2,505	1,613
North Dakota	0	0	0	0	0	0
Ohio	291	340	1,231	603	626	1,142
Oklahoma	10,238	18,117	26,734	22,244	14,828	16,392
Oregon	4,316	4,053	4,417	4,793	3,061	1,647
Pennsylvania	207	187	382	214	263	286
Rhode Island	0	0	0	0	0	0
South Carolina	31	75	650	549	720	573
South Dakota	235	460	810	567	421	210
Tennessee	0	15	184	414	235	485
Texas	88,232	119,309	162,282	155,290	124,190	135,107
Utah	1,071	879	1,222	1,097	1,258	851
Vermont	127	112	160	130	168	89
Virginia	519	562	2,074	1,832	1,682	1,928
Washington	6,796	6,420	7,189	5,564	5,106	1,619
West Virginia	41	74	45	26	61	14
Wisconsin	426	686	1,787	1,221	670	1,761
Wyoming	360	213	238	287	321	12
Total	213,487	283,535	410,344	373,256	307,218	308,787

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000				1999	
	April	March	February	January	Total	December
Alabama	1,449	246	450	1,055	20,918	675
Alaska	2,684	2,910	2,789	3,373	30,529	3,388
Arizona	3,983	2,687	3,149	3,690	50,875	3,284
Arkansas	3,267	3,830	3,395	710	40,088	1,983
California	5,473	8,114	7,523	8,193	144,655	7,162
Colorado	1,134	1,952	2,152	1,900	19,155	1,165
Connecticut	0	0	0	0	13,095	548
Delaware	487	317	383	649	19,878	498
District of Columbia	0	0	0	0	0	0
Florida	27,953	29,405	24,395	26,485	319,274	24,985
Georgia	242	154	67	66	20,537	174
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	162	58	55	155	40,716	828
Indiana	296	158	309	512	7,655	245
Iowa	241	220	237	281	5,249	241
Kansas	2,085	1,170	1,492	1,457	35,889	1,051
Kentucky	116	107	162	526	5,590	223
Louisiana	19,421	20,951	14,370	20,798	320,328	17,336
Maine	0	0	0	0	0	0
Maryland	1,972	1,068	261	520	16,399	409
Massachusetts	431	289	152	94	8,141	107
Michigan	3,254	2,589	3,468	4,129	51,122	3,069
Minnesota	268	200	182	306	6,595	149
Mississippi	6,032	5,957	6,211	9,167	101,623	8,923
Missouri	1,545	1,066	1,259	1,515	19,427	581
Montana	0	8	5	25	289	10
Nebraska	178	75	116	113	4,555	49
Nevada	4,805	4,730	3,875	5,195	65,105	6,050
New Hampshire	187	415	57	121	572	134
New Jersey	1,979	969	536	453	32,650	1,067
New Mexico	3,411	3,574	3,059	2,951	35,581	2,682
New York	9,099	9,217	6,988	5,625	181,823	9,010
North Carolina	27	37	55	84	10,584	17
North Dakota	0	0	0	0	0	0
Ohio	610	668	254	455	11,105	426
Oklahoma	14,196	10,753	6,837	8,976	169,845	9,307
Oregon	565	2,626	2,963	3,177	23,292	2,383
Pennsylvania	272	270	223	378	10,376	429
Rhode Island	0	0	0	0	0	0
South Carolina	69	27	15	35	5,118	48
South Dakota	27	57	15	82	2,527	94
Tennessee	9	18	118	293	3,460	29
Texas	93,453	87,318	66,364	73,321	1,207,293	64,472
Utah	669	607	308	352	6,478	524
Vermont	62	14	23	5	250	3
Virginia	1,503	1,958	1,336	1,860	23,457	1,106
Washington	111	2	97	461	6,693	258
West Virginia	24	33	32	15	385	42
Wisconsin	842	712	1,096	748	14,077	688
Wyoming	5	8	12	10	167	15
Total	R214,599	R207,545	R166,842	R190,316	3,113,420	175,868

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
 (Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				June	May	April
Alabama	161,148	160,720	152,193	22,360	22,484	24,207
Alaska	69,628	75,997	76,935	9,154	10,251	11,177
Arizona	119,129	83,859	74,863	15,827	19,759	19,016
Arkansas	NA	129,972	131,783	NA	NA	NA
California	1,184,869	1,054,931	1,051,700	161,947	172,734	189,353
Colorado	215,416	169,983	160,544	19,785	26,081	34,556
Connecticut	NA	72,332	73,217	NA	5,996	9,977
Delaware	21,410	28,354	30,220	1,944	1,985	3,403
District of Columbia	21,333	20,528	21,471	1,293	1,713	3,327
Florida	224,171	276,639	234,830	46,364	41,672	39,132
Georgia	NA	200,274	189,946	18,989	20,360	NA
Hawaii	1,461	1,454	1,379	244	237	243
Idaho	37,668	35,898	37,398	3,530	4,306	5,648
Illinois	547,920	532,394	569,693	39,081	46,939	62,502
Indiana	NA	310,290	315,196	NA	NA	NA
Iowa	131,705	122,504	131,044	10,825	12,907	17,579
Kansas	131,107	130,592	135,666	11,612	11,196	17,395
Kentucky	106,084	108,708	108,758	8,276	R9,132	14,309
Louisiana	676,302	666,972	630,132	103,662	106,573	118,049
Maine	NA	4,112	3,287	NA	R484	R61
Maryland	106,923	117,885	109,535	8,081	9,013	14,433
Massachusetts	NA	195,695	188,001	NA	R22,327	R31,988
Michigan	525,299	530,540	532,298	41,455	48,392	77,479
Minnesota	186,325	NA	185,725	12,851	15,177	24,580
Mississippi	NA	134,217	133,271	18,044	19,073	19,726
Missouri	175,681	157,839	156,952	12,509	13,352	22,808
Montana	32,613	31,651	32,708	2,434	3,050	R5,028
Nebraska	68,919	64,868	68,634	5,368	6,985	R10,895
Nevada	92,855	83,196	77,210	11,925	12,539	12,358
New Hampshire	NA	13,514	12,346	NA	R1,293	R1,936
New Jersey	351,329	375,386	368,777	33,145	28,088	50,766
New Mexico	70,900	67,496	65,003	9,579	10,186	11,874
New York	643,697	720,878	685,373	78,838	79,561	98,645
North Carolina	110,569	130,053	115,866	11,181	11,104	15,080
North Dakota	22,713	21,085	23,096	2,540	2,622	3,826
Ohio	520,610	492,387	493,667	35,873	R43,281	70,286
Oklahoma	211,359	224,525	238,800	29,963	29,119	32,718
Oregon	118,699	110,544	103,276	17,361	R15,774	R18,202
Pennsylvania	NA	382,428	376,118	26,297	NA	NA
Rhode Island	47,230	46,633	47,633	6,007	6,970	7,140
South Carolina	68,278	84,337	81,426	8,202	8,506	10,441
South Dakota	NA	16,548	17,732	NA	2,433	3,339
Tennessee	NA	145,251	148,429	NA	R14,261	R22,306
Texas	1,657,525	1,798,162	1,624,727	252,888	R280,942	259,096
Utah	76,400	70,646	71,342	6,982	7,742	11,148
Vermont	5,109	5,903	4,762	384	598	837
Virginia	NA	141,755	138,184	10,777	11,849	NA
Washington	182,708	149,503	133,741	27,223	R26,323	R29,428
West Virginia	NA	61,022	60,217	NA	NA	9,707
Wisconsin	NA	212,004	209,463	NA	NA	26,098
Wyoming	29,303	40,042	31,403	3,344	3,674	R4,537
Total	10,864,461	10,994,859	10,665,970	1,244,245	R1,346,525	R1,622,062

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001			2000		
	March	February	January	Total	December	November
Alabama	27,845	28,297	35,955	304,344	30,706	23,153
Alaska	13,156	12,312	13,578	150,764	14,501	12,428
Arizona	21,528	23,136	19,862	186,651	21,051	16,769
Arkansas	NA	NA	NA	245,812	30,257	21,287
California	201,309	215,940	243,586	2,245,008	211,892	196,849
Colorado	42,280	44,037	48,678	305,953	44,595	27,332
Connecticut	R13,985	14,262	17,311	R124,584	R16,314	R11,136
Delaware	4,378	4,653	5,046	R44,550	4,166	2,964
District of Columbia	R4,377	4,815	5,808	32,675	4,654	2,276
Florida	34,664	29,242	33,098	519,672	31,407	34,259
Georgia	36,829	R34,546	49,769	395,150	59,198	35,970
Hawaii	R247	237	253	2,841	232	240
Idaho	R6,749	8,519	8,916	64,286	8,096	6,316
Illinois	116,688	131,857	150,852	975,498	168,883	104,404
Indiana	NA	NA	NA	567,867	81,603	50,183
Iowa	27,117	29,847	33,432	226,713	35,028	22,410
Kansas	26,818	27,907	36,179	NA	30,737	NA
Kentucky	21,150	22,533	30,684	202,244	32,468	20,929
Louisiana	117,503	110,494	120,022	R1,420,717	129,084	123,040
Maine	R143	R154	R175	7,627	1,196	841
Maryland	21,897	22,949	30,551	207,897	28,020	18,972
Massachusetts	R38,765	R40,576	R44,243	335,207	40,282	26,585
Michigan	112,951	112,343	132,679	890,591	126,002	73,002
Minnesota	39,246	46,046	48,424	NA	53,510	35,041
Mississippi	NA	16,116	R25,855	246,948	22,314	16,355
Missouri	34,281	40,719	52,011	280,271	43,168	21,358
Montana	R5,773	R8,348	R7,981	56,277	7,908	5,995
Nebraska	13,509	15,234	16,928	118,934	15,797	9,200
Nevada	17,758	18,423	R19,852	182,023	20,142	17,346
New Hampshire	R2,640	R2,874	R2,852	20,907	2,367	1,772
New Jersey	70,799	76,848	91,683	640,438	79,968	50,846
New Mexico	11,069	14,377	13,815	128,942	14,345	10,979
New York	R122,491	128,504	R135,659	1,266,560	130,968	97,055
North Carolina	20,029	23,972	29,204	229,293	27,732	19,785
North Dakota	R3,576	5,277	4,871	36,968	5,102	3,502
Ohio	108,585	117,646	144,940	850,558	122,250	78,829
Oklahoma	37,734	39,774	42,051	R434,568	42,462	R28,517
Oregon	R20,853	24,926	R21,583	212,753	23,199	18,385
Pennsylvania	NA	NA	NA	658,247	91,421	57,938
Rhode Island	R10,152	7,850	9,111	R80,135	R11,399	6,383
South Carolina	12,101	12,786	16,242	150,696	15,504	12,069
South Dakota	4,634	4,871	4,376	32,782	5,532	3,636
Tennessee	27,420	29,379	43,477	R264,677	36,983	22,113
Texas	280,561	274,619	309,418	R3,686,703	R316,412	270,336
Utah	13,022	17,404	20,102	137,373	18,934	17,107
Vermont	1,091	1,005	1,195	10,410	949	941
Virginia	22,827	26,989	34,420	252,542	37,124	21,653
Washington	R32,064	R34,661	R33,009	R305,698	29,098	R29,640
West Virginia	11,351	R12,602	15,199	103,710	12,722	7,736
Wisconsin	54,615	53,130	54,168	388,915	63,137	39,761
Wyoming	5,065	5,914	6,770	68,032	7,009	6,487
Total	R2,047,963	R2,139,161	R2,464,506	R20,887,932	R2,407,829	R1,761,074

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001
 (Million Cubic Feet) — Continued

State	2000					
	October	September	August	July	June	May
Alabama	20,238	20,018	25,539	23,969	23,057	24,789
Alaska	12,384	10,109	13,775	11,570	10,317	10,343
Arizona	13,582	15,531	19,057	16,802	14,469	13,011
Arkansas	^a 15,222	^a 14,869	18,180	^a 16,026	^a 16,113	^a 18,388
California	193,726	185,997	212,309	189,304	179,444	165,860
Colorado	18,670	14,881	15,382	15,111	16,554	19,257
Connecticut	^a 7,688	^a 5,595	^a 6,025	^a 5,494	^a 5,955	^a 7,720
Delaware	2,895	2,052	1,969	2,150	3,721	4,630
District of Columbia	1,495	1,258	1,207	1,256	1,455	2,064
Florida	38,172	42,773	48,294	48,128	44,588	49,164
Georgia	24,018	22,422	26,198	27,070	24,703	27,534
Hawaii	233	227	221	235	242	243
Idaho	4,292	3,468	2,977	3,239	3,698	4,220
Illinois	54,739	40,938	38,121	36,018	38,999	46,463
Indiana	36,256	31,150	30,071	28,313	29,648	34,564
Iowa	13,985	11,463	10,918	10,404	11,062	12,924
Kansas	13,091	17,788	22,968	19,610	14,442	15,884
Kentucky	11,938	9,776	9,513	8,912	9,433	10,590
Louisiana	123,887	122,921	^a 144,518	110,296	^a 105,332	^a 112,006
Maine	552	359	229	337	352	396
Maryland	12,136	9,570	11,080	10,234	12,861	13,336
Massachusetts	21,331	16,297	17,292	17,726	19,098	25,573
Michigan	50,281	38,350	37,993	34,422	42,429	58,965
Minnesota	18,833	15,360	14,016	13,056	16,793	14,404
Mississippi	14,906	15,903	22,149	21,105	19,420	22,097
Missouri	16,175	11,316	16,203	14,212	11,973	16,265
Montana	3,782	2,565	2,086	2,290	2,754	3,188
Nebraska	6,230	8,198	6,154	8,487	6,349	6,198
Nevada	16,003	14,931	16,715	13,688	13,839	13,532
New Hampshire	1,055	767	712	720	946	1,353
New Jersey	36,032	27,334	37,718	33,154	34,808	38,657
New Mexico	8,780	8,467	9,723	9,153	8,900	8,453
New York	80,662	79,748	77,558	79,691	81,595	93,702
North Carolina	13,884	11,503	13,651	12,686	15,333	15,371
North Dakota	2,637	1,794	1,784	1,065	2,651	2,029
Ohio	49,400	36,168	35,892	35,631	37,099	48,856
Oklahoma	^a 25,046	^a 33,804	^a 42,050	^a 38,165	^a 33,548	^a 36,089
Oregon	16,133	14,804	14,598	15,091	14,277	13,955
Pennsylvania	38,968	30,250	29,170	28,072	31,789	36,429
Rhode Island	5,291	3,154	3,179	4,096	4,129	5,507
South Carolina	10,047	8,813	10,211	9,716	9,726	11,884
South Dakota	1,726	1,634	2,042	1,662	1,586	1,652
Tennessee	16,954	14,683	14,547	14,146	14,404	16,353
Texas	283,828	307,570	368,667	341,728	324,880	^a 340,701
Utah	10,091	7,420	6,592	6,584	6,742	7,555
Vermont	761	641	614	602	711	732
Virginia	13,017	11,716	12,929	14,348	14,847	15,265
Washington	27,313	^a 23,940	24,575	21,629	22,976	19,834
West Virginia	6,332	5,326	5,310	5,261	5,589	7,390
Wisconsin	23,529	17,335	17,647	15,502	15,636	21,091
Wyoming	4,113	3,758	3,394	3,229	4,028	5,339
Total	^a1,442,339	^a1,356,717	^a1,523,721	^a1,401,393	^a1,385,300	^a1,501,803

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000				1999	
	April	March	February	January	Total	December
Alabama	24,687	25,544	31,560	31,082	295,414	27,778
Alaska	12,371	14,108	13,134	15,724	150,054	16,172
Arizona	11,364	12,786	15,556	16,672	142,216	13,717
Arkansas	^a 18,902	^a 24,746	^a 26,020	^a 25,803	249,371	23,807
California	147,024	182,233	183,311	197,058	2,070,537	181,988
Colorado	26,790	32,290	35,959	39,134	271,006	30,305
Connecticut	^a 9,850	^a 14,238	^a 18,201	^a 16,369	131,143	14,232
Delaware	4,534	^a 4,452	5,170	5,846	55,936	4,552
District of Columbia	2,948	3,735	5,287	5,038	31,993	3,224
Florida	45,854	48,283	42,890	45,861	510,162	41,265
Georgia	27,382	31,402	39,187	50,064	322,758	38,695
Hawaii	235	245	243	246	2,735	230
Idaho	5,566	6,600	7,207	8,608	64,414	7,221
Illinois	75,944	94,247	122,928	153,814	980,610	132,586
Indiana	44,691	53,012	68,703	79,673	552,765	63,918
Iowa	17,355	21,556	27,033	32,575	223,514	26,107
Kansas	19,016	22,427	27,735	31,088	240,458	23,154
Kentucky	15,192	18,468	24,180	30,846	194,425	25,286
Louisiana	100,558	110,744	110,385	127,946	1,265,867	104,679
Maine	695	779	839	1,052	6,054	785
Maryland	16,940	20,301	26,408	28,038	191,596	22,001
Massachusetts	29,682	36,370	49,100	35,872	336,565	38,237
Michigan	80,288	97,787	120,937	130,133	882,566	103,906
Minnesota	25,996	31,600	41,391	NA	317,798	41,255
Mississippi	19,408	20,822	24,299	28,171	266,595	25,866
Missouri	21,114	28,115	40,295	40,077	259,431	30,427
Montana	4,775	6,102	7,238	7,594	55,095	6,746
Nebraska	10,259	12,441	14,387	15,233	118,478	10,991
Nevada	12,713	13,978	13,131	16,003	150,698	16,423
New Hampshire	2,002	2,940	3,066	3,207	20,310	2,231
New Jersey	54,015	69,789	90,487	87,629	612,707	58,566
New Mexico	10,555	12,763	12,681	14,143	124,829	15,906
New York	115,129	155,079	145,657	129,715	1,209,656	118,176
North Carolina	16,859	23,876	30,155	28,459	210,291	23,244
North Dakota	3,167	3,756	4,425	5,057	38,160	4,075
Ohio	71,664	91,256	114,573	128,939	828,223	100,467
Oklahoma	^a 37,534	^a 36,594	^a 38,488	^a 42,272	449,005	34,813
Oregon	15,611	20,300	21,926	24,475	198,402	21,662
Pennsylvania	55,462	71,741	89,196	97,810	635,761	75,969
Rhode Island	7,280	8,125	10,629	10,963	83,933	7,937
South Carolina	12,757	14,670	18,272	17,028	154,036	15,644
South Dakota	2,192	3,170	3,628	4,319	28,903	3,392
Tennessee	^a 21,233	22,727	34,546	35,988	261,242	25,892
Texas	296,019	264,192	283,278	289,092	3,507,315	309,568
Utah	9,240	15,150	14,907	17,053	133,301	18,902
Vermont	909	1,097	1,319	1,135	8,024	882
Virginia	20,528	23,906	33,927	33,281	255,556	34,638
Washington	20,729	26,245	28,154	31,565	256,042	30,755
West Virginia	8,386	11,179	14,210	14,268	103,951	11,989
Wisconsin	31,822	37,049	47,013	59,394	369,839	50,652
Wyoming	7,006	7,249	8,367	8,053	60,596	6,329
Total	^a1,652,233	^a1,912,266	^a2,191,620	^a2,351,637	19,890,341	2,047,240

^a Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				June	May	April	March	February
Alabama	7.29	3.42	2.92	6.47	6.98	6.33	6.90	8.60
Alaska	2.43	1.60	1.31	2.68	2.23	2.20	2.55	2.53
Arizona	6.06	3.30	2.39	4.24	4.92	5.22	5.31	6.25
Arkansas	NA	NA	2.81	NA	NA	NA	NA	NA
California	8.94	3.22	2.31	8.08	7.32	7.52	8.36	9.42
Colorado	5.29	2.72	1.99	3.21	3.94	5.21	4.73	5.01
Connecticut	NA	5.91	4.64	NA	8.87	9.97	8.65	10.03
Delaware	6.35	3.14	3.54	4.63	5.15	5.96	6.10	7.33
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.04	3.98	3.29	4.56	5.75	6.50	6.30	6.18
Georgia	NA	3.48	3.65	6.43	5.77	NA	6.65	8.05
Hawaii	8.10	7.79	4.82	7.76	7.91	7.57	7.42	8.78
Idaho	5.39	2.74	1.81	4.20	6.00	5.24	4.10	4.69
Illinois	7.16	3.57	2.68	4.56	5.03	6.09	5.19	6.89
Indiana	NA	2.89	2.25	NA	NA	NA	NA	NA
Iowa	7.63	3.73	2.96	5.40	6.52	6.47	6.06	8.01
Kansas	7.73	3.59	2.64	4.84	6.45	6.59	5.92	8.32
Kentucky	7.64	3.87	3.14	6.45	7.18	5.53	5.89	8.65
Louisiana	NA	3.60	2.42	4.60	5.64	6.06	NA	6.96
Maine	NA	4.59	3.50	NA	R11.90	R5.84	R6.53	R7.57
Maryland	7.79	4.15	3.11	7.62	8.14	5.23	6.51	6.85
Massachusetts	7.41	4.46	3.40	6.73	R5.78	R6.40	R6.00	R7.64
Michigan	4.24	3.02	2.81	4.46	4.61	4.90	3.60	3.52
Minnesota	7.05	3.46	2.72	4.84	5.51	6.00	5.51	7.28
Mississippi	NA	3.35	2.63	4.68	5.43	6.33	NA	6.44
Missouri	7.35	3.77	2.98	6.47	7.66	6.67	5.60	7.07
Montana	4.97	2.92	2.52	2.33	3.85	4.09	5.03	5.31
Nebraska	7.81	3.44	3.01	4.96	6.28	7.20	6.52	8.10
Nevada	NA	3.75	2.53	3.95	NA	6.54	5.53	5.64
New Hampshire	5.13	4.12	3.59	2.42	R4.75	R4.77	R4.88	R5.21
New Jersey	7.88	4.81	3.77	8.06	9.65	8.41	6.15	7.48
New Mexico	5.10	2.64	2.04	2.80	3.71	4.55	4.75	5.81
New York	NA	NA	2.75	3.97	5.22	NA	R5.37	R6.47
North Carolina	8.12	4.16	3.08	6.07	7.25	7.20	7.05	8.02
North Dakota	6.41	3.84	2.74	2.93	4.76	5.64	6.00	6.48
Ohio	9.32	5.53	4.87	8.49	6.29	11.56	9.95	10.34
Oklahoma	7.28	NA	2.80	5.85	6.61	5.95	6.89	9.58
Oregon	4.73	3.21	2.66	4.85	4.70	4.25	4.45	4.67
Pennsylvania	NA	4.24	3.36	6.75	7.41	NA	NA	NA
Rhode Island	7.74	3.37	3.88	9.96	9.90	8.79	8.49	5.95
South Carolina	7.84	4.08	3.23	5.83	6.94	6.87	6.34	7.88
South Dakota	7.85	4.08	3.37	3.01	7.30	7.50	6.58	7.68
Tennessee	7.17	3.58	2.72	4.91	5.55	5.99	6.30	7.73
Texas	NA	3.17	2.66	4.78	5.61	5.71	NA	7.01
Utah	5.97	3.38	2.72	5.48	5.53	5.51	6.35	6.41
Vermont	5.95	3.70	2.98	5.85	6.08	6.11	6.08	5.99
Virginia	7.29	4.07	3.48	7.52	8.13	4.72	6.61	7.65
Washington	6.51	2.99	2.40	4.07	R5.41	R5.14	R5.13	R6.48
West Virginia	NA	3.46	3.62	NA	NA	5.98	NA	4.26
Wisconsin	NA	3.42	2.83	NA	NA	6.41	6.13	6.61
Wyoming	7.34	4.25	3.36	3.85	6.38	6.91	8.98	7.01
Total	7.10	3.70	2.94	5.36	R5.89	R6.43	R6.19	R7.21

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001	2000						
	January	Total	December	November	October	September	August	July
Alabama	7.12	4.39	6.00	5.62	6.00	5.12	5.22	5.50
Alaska	2.44	1.60	1.61	1.62	1.62	1.60	1.58	1.53
Arizona	7.91	4.57	7.07	5.51	5.36	4.95	4.81	5.66
Arkansas	NA							
California	12.64	4.31	7.30	5.09	5.17	4.98	4.13	4.70
Colorado	7.10	3.53	5.13	4.04	4.24	3.32	3.56	4.05
Connecticut	11.06	6.73	8.35	7.06	7.30	9.62	7.12	7.54
Delaware	8.30	3.41	4.19	5.44	4.49	2.74	2.53	2.37
District of Columbia	—	—	—	—	—	—	—	—
Florida	10.21	5.07	7.92	6.37	6.65	5.45	4.87	5.05
Georgia	8.90	4.57	7.09	5.74	5.31	5.09	5.17	4.81
Hawaii	9.17	8.41	9.81	9.43	9.09	9.04	8.69	8.17
Idaho	6.94	4.00	6.70	4.67	5.27	3.85	3.60	5.32
Illinois	10.53	5.01	7.83	5.33	6.39	6.05	5.12	5.96
Indiana	NA	4.26	6.20	4.54	5.40	5.23	3.59	5.08
Iowa	9.35	5.06	7.38	5.81	6.41	5.84	5.45	6.39
Kansas	10.13	4.61	6.21	5.21	6.46	5.87	4.91	5.57
Kentucky	9.15	4.92	6.75	5.79	6.14	5.18	5.17	5.11
Louisiana	10.43	NA	NA	5.61	5.93	5.23	4.28	4.75
Maine	8.97	5.33	5.98	4.41	8.22	7.91	8.06	10.85
Maryland	10.03	5.36	7.33	5.86	7.62	6.25	6.70	8.23
Massachusetts	8.42	5.29	6.90	5.48	6.93	7.90	7.17	7.99
Michigan	4.40	3.23	3.67	3.44	3.48	3.32	3.33	3.33
Minnesota	9.37	4.90	7.35	5.66	5.95	5.67	4.92	5.64
Mississippi	9.68	8.49	7.85	5.50	5.73	5.09	4.57	4.82
Missouri	8.73	4.92	6.09	5.49	6.76	7.18	6.89	7.35
Montana	7.34	3.54	5.11	4.27	3.93	3.39	2.86	3.50
Nebraska	9.46	4.52	6.03	5.11	5.89	5.23	4.59	5.54
Nevada	6.71	4.82	6.35	6.28	5.26	4.74	4.09	5.77
New Hampshire	8.06	5.32	8.08	7.20	6.24	6.66	6.42	6.92
New Jersey	8.82	NA	NA	5.74	7.94	9.17	7.49	8.01
New Mexico	5.56	3.79	6.04	4.98	4.91	3.66	3.16	3.78
New York	8.99	NA						
North Carolina	9.87	5.09	6.78	5.77	6.38	6.08	5.21	5.99
North Dakota	9.50	4.77	6.20	5.41	5.81	4.66	4.55	8.28
Ohio	7.87	6.10	7.17	5.69	7.58	6.74	7.86	8.41
Oklahoma	6.59	NA	5.58	5.60	4.94	3.57	4.48	4.14
Oregon	5.26	3.86	4.86	4.87	4.66	3.71	4.18	4.70
Pennsylvania	NA	5.21	6.33	5.67	6.40	6.66	5.43	7.83
Rhode Island	7.40	4.09	7.38	4.47	7.15	5.65	5.60	5.36
South Carolina	10.46	5.09	6.82	5.87	6.56	6.15	5.47	5.93
South Dakota	9.94	4.81	6.29	4.55	5.57	5.06	5.66	6.92
Tennessee	9.28	4.84	7.27	5.67	5.71	4.77	3.95	5.74
Texas	9.10	4.29	6.90	5.26	5.49	5.02	4.21	4.46
Utah	5.83	3.64	4.26	3.87	3.88	3.43	3.74	3.15
Vermont	5.68	4.26	5.21	5.34	5.11	4.39	4.49	4.08
Virginia	8.11	5.43	8.19	6.39	5.62	7.29	6.87	7.40
Washington	8.87	NA	NA	NA	NA	3.67	3.76	4.96
West Virginia	4.25	3.79	3.74	4.00	5.47	2.86	7.33	4.97
Wisconsin	9.93	4.42	5.85	5.12	5.79	5.63	5.04	5.88
Wyoming	8.07	5.09	7.97	5.53	5.46	4.51	4.34	4.88
Total	8.90	4.65	6.81	5.20	5.64	5.17	4.59	5.15

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	5.70	4.20	3.40	3.43	3.05	2.95	3.21	3.24
Alaska	1.59	1.62	1.60	1.64	1.56	1.61	1.32	1.32
Arizona	5.21	3.84	3.54	3.05	2.97	2.70	2.72	2.68
Arkansas	NA	NA	NA	NA	NA	NA	2.81	2.26
California	4.42	3.44	3.40	2.90	2.88	2.59	2.61	2.65
Colorado	3.71	2.91	2.82	2.31	2.99	2.34	2.31	2.27
Connecticut	7.99	6.62	5.67	5.59	6.00	5.40	4.91	5.42
Delaware	2.99	2.82	2.74	3.04	3.29	3.80	3.45	2.78
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.32	4.07	4.12	3.57	3.55	3.86	3.49	3.70
Georgia	4.81	3.67	3.29	3.31	3.31	3.32	2.95	2.80
Hawaii	8.46	8.84	8.05	6.96	7.40	7.14	5.62	7.40
Idaho	4.08	3.13	3.15	2.64	2.52	2.50	2.23	2.50
Illinois	7.23	4.38	3.47	3.30	3.13	2.93	3.00	3.13
Indiana	4.60	3.02	2.91	2.44	2.67	2.55	2.46	2.57
Iowa	5.45	7.00	3.72	3.75	3.47	3.03	3.30	3.98
Kansas	4.82	4.02	3.44	3.48	3.61	3.21	2.96	3.12
Kentucky	4.88	4.94	3.55	3.90	3.88	3.65	3.27	3.42
Louisiana	4.84	3.68	3.85	3.39	3.30	2.96	2.70	2.71
Maine	7.08	4.17	5.01	6.13	2.92	4.08	4.61	4.33
Maryland	8.46	6.79	4.47	4.18	3.94	3.53	3.45	3.30
Massachusetts	9.07	5.87	4.22	3.90	4.69	3.29	3.74	3.70
Michigan	3.02	3.00	3.06	2.90	3.01	3.11	2.83	2.93
Minnesota	5.22	3.64	3.33	3.63	3.27	3.02	3.06	3.42
Mississippi	3.61	R3.96	2.91	3.50	3.32	3.10	2.88	3.05
Missouri	7.33	5.62	4.33	3.68	3.40	3.07	3.34	3.02
Montana	3.25	2.90	2.80	3.02	3.05	2.72	2.57	2.91
Nebraska	5.11	3.73	3.69	3.36	3.54	2.97	3.12	3.50
Nevada	5.24	4.39	4.01	3.55	3.50	3.24	2.59	3.27
New Hampshire	4.96	3.96	4.16	4.65	3.91	3.80	4.07	4.09
New Jersey	10.86	6.02	4.91	4.12	3.70	3.89	4.55	4.52
New Mexico	3.77	2.96	2.70	2.50	2.36	2.50	2.24	2.42
New York	NA	NA	NA	NA	NA	NA	2.92	2.86
North Carolina	6.44	4.47	4.05	3.83	3.99	3.57	3.33	3.61
North Dakota	4.78	4.12	3.59	3.66	3.81	3.49	3.07	3.38
Ohio	5.89	7.94	5.93	6.73	4.85	4.98	4.83	4.48
Oklahoma	3.19	3.36	2.88	3.01	2.66	NA	2.84	3.59
Oregon	4.22	3.59	3.31	3.04	3.14	2.97	2.93	3.03
Pennsylvania	7.48	6.08	4.28	4.72	3.87	3.44	3.65	3.33
Rhode Island	4.87	3.74	2.92	3.17	3.30	3.45	4.19	5.29
South Carolina	5.73	4.55	4.14	3.84	3.84	3.60	3.46	3.51
South Dakota	6.39	7.12	4.09	3.83	4.04	3.26	3.52	3.67
Tennessee	5.05	3.89	3.74	3.28	3.74	3.06	3.15	3.72
Texas	4.41	3.08	3.20	2.87	2.97	2.98	2.84	2.91
Utah	3.14	2.73	3.09	3.68	3.44	3.45	2.98	3.54
Vermont	4.05	4.10	3.71	3.80	3.56	3.46	2.85	1.43
Virginia	6.32	7.25	3.28	4.01	4.10	3.71	3.81	3.34
Washington	5.00	3.22	3.68	2.94	2.87	2.75	2.63	3.38
West Virginia	4.12	3.06	3.26	3.54	3.57	3.45	3.40	3.07
Wisconsin	5.67	4.20	3.41	3.44	3.20	2.94	3.08	2.79
Wyoming	4.56	4.04	4.05	4.09	4.37	4.39	3.59	4.03
Total	5.17	R4.15	3.70	3.54	3.50	3.30	3.16	3.24

R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				June	May	April	March	February
Alabama	11.70	8.20	7.78	15.87	14.65	12.08	12.53	12.05
Alaska	4.22	3.47	3.62	4.63	4.36	4.16	4.19	4.17
Arizona	9.78	8.95	8.54	13.55	11.69	10.47	9.47	9.21
Arkansas	NA	7.30	6.51	NA	NA	NA	NA	NA
California	12.63	7.08	6.45	11.25	11.58	11.89	13.73	13.72
Colorado	8.74	5.26	5.04	11.39	10.05	9.52	9.03	8.60
Connecticut	NA	10.74	10.29	NA	12.28	13.10	12.21	13.51
Delaware	10.52	7.79	8.34	13.67	12.36	11.14	10.78	10.31
District of Columbia	13.56	8.86	8.30	11.55	14.96	13.62	13.11	13.64
Florida	15.90	11.98	10.85	17.57	18.95	18.02	19.04	15.60
Georgia	NA	7.36	3.57	11.03	10.81	NA	9.44	11.55
Hawaii	22.32	20.96	18.42	21.99	22.11	21.71	22.10	22.81
Idaho	8.10	5.63	5.19	9.39	8.93	8.76	8.53	7.96
Illinois	10.83	5.85	4.92	10.33	10.35	9.28	9.62	11.33
Indiana	NA	6.30	5.87	NA	NA	NA	NA	NA
Iowa	9.93	6.50	5.50	11.16	10.43	9.34	8.48	9.76
Kansas	10.24	6.50	5.55	12.50	11.74	9.76	9.19	10.00
Kentucky	10.23	6.19	5.32	15.16	13.35	10.87	9.95	10.89
Louisiana	10.65	6.91	6.05	9.36	9.42	8.69	R9.36	11.02
Maine	NA	8.72	7.49	NA	R10.45	R15.54	R11.39	R11.75
Maryland	12.25	8.42	7.80	14.63	14.37	12.68	10.82	12.85
Massachusetts	NA	9.18	9.83	NA	R14.29	R14.39	R14.17	R12.84
Michigan	5.26	5.01	4.94	7.69	7.17	5.40	4.93	4.92
Minnesota	10.05	6.02	5.20	8.76	9.30	8.67	8.73	9.39
Mississippi	NA	6.38	5.52	11.54	10.80	10.60	NA	8.74
Missouri	10.47	6.55	5.87	14.17	12.87	11.19	10.76	10.93
Montana	7.15	5.50	4.92	8.10	7.67	7.40	7.40	6.99
Nebraska	8.98	5.40	4.61	8.97	9.20	R8.08	8.25	10.31
Nevada	8.28	6.44	7.00	10.02	9.36	8.95	8.47	8.31
New Hampshire	12.08	8.21	7.18	13.09	R10.90	R11.76	R13.02	R12.07
New Jersey	7.29	7.46	7.28	8.40	8.13	7.76	7.35	6.96
New Mexico	10.30	5.66	4.92	10.88	12.47	13.43	13.44	9.34
New York	11.98	8.65	8.66	14.28	13.43	11.32	R10.99	12.04
North Carolina	12.19	8.53	7.71	14.85	14.09	12.58	12.56	11.92
North Dakota	9.07	5.17	4.91	9.91	9.24	8.25	8.32	9.17
Ohio	10.50	6.39	5.92	12.36	11.71	10.89	10.87	11.02
Oklahoma	8.75	6.19	5.26	12.23	11.37	9.61	8.70	9.09
Oregon	9.11	7.48	6.90	10.18	R9.49	9.25	R9.09	8.94
Pennsylvania	NA	7.77	8.03	15.22	NA	NA	11.20	11.23
Rhode Island	11.96	8.99	9.12	17.99	12.49	11.98	11.60	11.55
South Carolina	12.84	8.83	8.24	13.40	12.35	12.17	12.38	13.41
South Dakota	NA	6.26	5.31	NA	9.26	9.28	8.30	10.40
Tennessee	10.81	6.77	6.04	11.78	R11.16	9.89	8.51	14.43
Texas	10.08	6.13	5.55	12.04	10.70	9.49	8.85	9.08
Utah	8.48	6.20	5.21	8.82	9.59	7.97	8.82	8.44
Vermont	9.46	7.59	6.80	11.56	10.39	9.46	9.26	9.23
Virginia	12.41	8.38	8.04	16.41	15.51	12.15	11.27	12.73
Washington	9.61	6.52	5.70	10.72	R10.33	R10.09	R10.09	R9.70
West Virginia	NA	7.28	7.20	NA	NA	7.32	NA	7.05
Wisconsin	NA	6.45	6.03	NA	NA	9.58	8.73	9.05
Wyoming	9.70	5.17	4.93	10.03	11.79	11.09	13.00	8.91
Total	10.21	6.87	6.35	11.53	R11.04	R10.11	R9.86	R10.30

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001	2000						
	January	Total	December	November	October	September	August	July
Alabama	10.12	9.27	9.79	11.92	12.09	13.41	13.47	13.23
Alaska	4.11	3.57	3.90	3.41	3.52	3.74	3.88	4.20
Arizona	9.10	9.62	9.06	10.14	13.15	13.68	14.09	14.76
Arkansas	NA	8.21	8.69	8.45	11.46	10.66	11.90	12.00
California	12.07	8.18	10.45	9.51	9.86	8.82	8.72	8.90
Colorado	7.15	6.03	6.61	7.19	7.43	9.24	9.06	7.94
Connecticut	13.09	11.29	11.81	11.99	12.65	13.32	12.81	13.50
Delaware	9.27	8.34	8.52	9.65	12.24	13.83	9.53	9.66
District of Columbia	13.79	9.97	12.28	12.78	13.52	14.02	9.97	9.68
Florida	12.63	13.27	13.83	15.95	16.23	16.62	16.44	14.86
Georgia	10.46	9.11	11.13	12.13	11.31	15.23	11.50	10.37
Hawaii	23.21	21.87	23.59	22.88	23.24	22.96	22.67	22.09
Idaho	7.15	6.29	7.05	7.29	7.59	7.85	8.19	7.23
Illinois	11.86	7.35	8.76	8.72	10.14	10.54	10.84	11.19
Indiana	NA	6.99	7.53	7.15	9.02	9.63	10.82	10.33
Iowa	11.16	7.86	9.55	8.08	9.98	12.81	13.34	12.12
Kansas	10.84	7.60	8.79	9.02	10.51	10.84	12.14	10.70
Kentucky	9.18	7.45	8.53	8.78	9.40	10.47	10.62	10.17
Louisiana	11.83	8.85	11.46	10.99	13.24	10.94	11.65	11.13
Maine	8.29	9.63	10.85	10.46	11.19	12.46	—	12.32
Maryland	11.94	9.52	9.79	10.21	12.88	15.33	14.69	15.45
Massachusetts	11.24	9.96	11.52	11.14	10.89	12.25	12.51	11.26
Michigan	4.87	5.17	4.82	5.17	5.77	6.86	7.38	7.30
Minnesota	12.62	7.20	8.88	7.86	9.15	9.44	9.12	9.64
Mississippi	11.78	7.32	8.34	8.76	10.14	10.49	9.56	9.24
Missouri	9.01	7.83	9.09	9.22	11.25	12.60	12.27	11.58
Montana	6.60	5.93	6.25	6.13	6.28	7.13	8.95	8.11
Nebraska	8.72	6.45	7.54	7.88	9.07	9.83	10.24	9.85
Nevada	7.11	6.63	6.29	6.33	7.47	7.98	8.44	8.11
New Hampshire	11.71	9.20	11.14	11.64	10.09	11.52	11.84	11.47
New Jersey	6.93	7.24	6.94	6.70	6.20	6.50	6.33	9.52
New Mexico	8.25	6.05	6.73	5.73	5.49	6.56	7.89	9.54
New York	12.24	NA	NA	NA	NA	NA	NA	NA
North Carolina	11.52	9.48	9.92	10.85	12.57	15.17	15.22	14.80
North Dakota	9.74	6.29	7.74	7.60	7.89	8.68	10.18	10.16
Ohio	9.31	7.54	9.26	9.25	9.23	10.40	10.70	9.74
Oklahoma	7.23	7.09	7.52	8.60	9.08	10.96	10.57	10.42
Oregon	8.78	8.06	8.82	9.08	9.32	9.33	9.92	9.30
Pennsylvania	10.09	8.50	9.21	9.26	10.22	10.68	11.93	11.44
Rhode Island	11.34	9.92	11.08	13.38	12.01	12.15	12.16	11.97
South Carolina	12.92	9.60	10.57	11.51	10.86	12.04	12.39	11.07
South Dakota	11.20	7.33	8.62	7.72	9.11	11.03	11.19	10.87
Tennessee	10.15	7.68	8.67	9.29	9.61	10.68	11.22	10.12
Texas	11.21	7.33	8.04	8.52	10.58	11.28	11.15	10.50
Utah	8.26	6.22	6.30	6.15	6.01	5.76	6.77	6.99
Vermont	9.18	8.13	9.34	8.88	8.49	9.93	10.09	9.89
Virginia	12.15	9.90	11.27	11.09	14.16	15.81	15.77	15.74
Washington	8.22	NA	7.97	NA	8.71	9.30	8.92	7.85
West Virginia	6.97	7.50	7.16	7.65	8.25	10.16	10.86	10.85
Wisconsin	12.21	7.58	9.44	8.52	8.73	8.55	8.81	9.21
Wyoming	7.54	6.01	7.74	6.59	6.62	6.65	7.58	7.50
Total	8.04	7.72	8.59	8.60	9.43	9.94	10.22	10.19

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	12.23	9.53	9.08	9.21	7.21	7.41	8.34	8.19
Alaska	3.86	3.66	3.45	3.53	3.36	3.34	3.64	3.45
Arizona	12.42	11.19	9.23	8.43	9.08	7.88	9.13	8.71
Arkansas	^a 11.25	14.80	7.18	5.14	7.16	6.58	7.22	6.97
California	8.35	7.75	7.17	7.05	6.99	6.30	6.62	6.52
Colorado	6.80	5.90	5.33	5.10	5.08	4.96	5.38	5.28
Connecticut	13.08	11.02	11.04	10.54	10.51	10.49	10.54	11.23
Delaware	9.41	7.19	8.25	7.96	7.76	7.40	8.63	8.03
District of Columbia	8.59	9.87	9.28	8.99	8.69	8.54	8.70	8.93
Florida	14.99	14.18	13.27	11.95	10.62	10.79	11.59	10.69
Georgia	11.49	7.13	6.31	8.44	7.36	6.74	4.37	9.20
Hawaii	22.20	22.11	20.93	20.37	20.31	19.99	18.97	20.18
Idaho	6.22	6.00	5.74	5.61	5.56	5.45	5.42	5.56
Illinois	9.87	8.60	6.23	5.71	5.32	5.12	5.50	5.36
Indiana	9.79	8.43	6.62	6.38	6.16	5.41	6.03	5.40
Iowa	13.08	12.10	6.91	6.26	5.73	5.27	6.10	6.09
Kansas	9.86	8.09	6.85	6.41	6.04	5.99	5.98	6.08
Kentucky	9.64	8.52	6.75	6.21	6.04	5.56	5.72	5.92
Louisiana	^a 11.24	^a 10.08	6.81	6.99	6.13	5.97	6.83	7.34
Maine	10.98	10.45	8.96	9.30	8.10	7.87	7.47	6.63
Maryland	13.77	11.46	8.96	8.71	7.67	7.38	8.41	8.18
Massachusetts	9.51	9.35	9.79	9.41	8.86	8.91	9.25	8.32
Michigan	6.70	5.63	5.11	4.94	4.79	4.77	5.13	4.86
Minnesota	8.93	7.04	6.11	5.86	5.75	5.66	5.56	5.34
Mississippi	10.17	5.87	7.79	6.86	5.66	5.82	5.99	6.00
Missouri	10.67	8.35	6.92	6.34	6.07	6.16	6.36	6.46
Montana	7.19	6.42	5.27	5.43	5.28	5.25	5.16	5.03
Nebraska	8.46	6.95	5.72	5.38	5.06	4.76	5.06	5.22
Nevada	7.67	7.18	6.79	6.25	6.25	6.07	7.14	6.19
New Hampshire	8.50	7.56	7.18	8.81	8.32	8.32	7.67	8.65
New Jersey	9.15	7.60	7.58	7.58	7.16	7.29	7.46	7.38
New Mexico	4.70	9.11	4.99	6.04	5.26	5.72	5.03	4.16
New York	11.13	9.63	8.84	8.65	8.08	8.26	9.12	9.01
North Carolina	12.53	10.95	8.47	9.07	7.58	8.27	8.33	8.95
North Dakota	7.57	6.66	5.36	5.04	4.73	4.75	5.32	5.35
Ohio	8.71	7.30	6.43	6.30	6.09	6.18	6.24	6.39
Oklahoma	9.89	7.64	6.32	6.23	5.57	5.80	5.97	6.35
Oregon	8.42	7.91	7.18	7.48	7.42	7.33	7.13	7.06
Pennsylvania	10.12	8.62	8.08	7.79	7.46	7.31	8.30	7.72
Rhode Island	10.64	9.28	9.46	8.73	8.59	8.87	9.53	9.54
South Carolina	10.44	9.05	8.86	9.53	8.40	8.76	8.46	8.61
South Dakota	10.19	9.27	6.24	5.97	5.87	5.36	5.83	6.10
Tennessee	9.04	7.90	8.60	7.15	6.08	6.18	6.53	6.91
Texas	9.97	^a 7.39	6.91	6.20	5.49	5.27	6.09	5.60
Utah	6.99	6.82	6.36	5.91	6.16	6.16	5.37	5.49
Vermont	8.89	8.11	7.71	7.45	7.33	7.42	7.18	7.71
Virginia	13.66	10.47	9.15	8.42	7.78	7.65	8.61	7.99
Washington	7.12	6.77	6.54	6.46	6.43	6.39	5.88	5.82
West Virginia	9.60	7.80	7.50	7.22	7.02	7.03	7.42	7.09
Wisconsin	9.56	6.59	7.10	6.49	6.19	5.99	6.17	6.07
Wyoming	6.17	5.45	5.38	5.05	4.94	5.00	5.11	4.96
Total	^a9.29	^a8.08	7.11	6.85	6.55	6.32	6.69	6.51

^a Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				June	May	April	March	February
Alabama	10.49	6.97	6.47	11.40	11.22	10.68	10.90	11.06
Alaska	2.57	2.07	2.28	2.16	2.36	2.45	2.69	2.75
Arizona	7.83	6.67	6.12	8.02	8.11	7.53	7.57	8.40
Arkansas	NA	5.99	5.09	NA	NA	NA	NA	NA
California	11.96	6.37	5.95	9.31	10.40	11.17	13.70	13.76
Colorado	7.95	4.61	4.44	9.04	9.00	8.75	8.21	7.94
Connecticut	NA	6.70	6.63	NA	6.09	7.78	8.41	9.78
Delaware	9.31	6.33	6.78	10.64	10.81	10.10	7.96	11.18
District of Columbia	13.20	8.13	7.09	11.12	12.32	12.82	12.55	13.98
Florida	12.00	7.21	6.34	9.71	12.19	12.78	14.08	12.98
Georgia	NA	5.34	3.18	7.13	7.74	NA	9.77	R11.36
Hawaii	17.60	16.70	13.46	17.17	17.22	16.78	17.31	18.15
Idaho	NA	4.95	4.62	8.25	8.21	8.17	7.81	NA
Illinois	10.19	5.54	4.69	9.12	8.86	8.61	9.10	10.85
Indiana	NA	5.54	5.12	NA	NA	NA	NA	NA
Iowa	8.42	5.38	4.42	7.59	8.47	7.68	7.57	8.69
Kansas	9.72	5.95	4.95	9.61	10.13	8.66	8.83	9.88
Kentucky	NA	5.67	4.80	NA	R11.23	9.58	9.70	10.26
Louisiana	NA	6.40	5.31	6.57	7.32	7.58	NA	10.41
Maine	NA	7.19	6.80	NA	—	—	—	—
Maryland	11.03	7.11	6.72	10.53	10.97	10.94	9.92	12.29
Massachusetts	12.24	8.08	7.69	11.57	R12.59	R12.54	R13.99	R12.33
Michigan	5.05	4.75	4.80	6.79	6.60	5.08	4.85	4.80
Minnesota	9.08	4.98	4.25	6.06	7.43	7.74	7.77	9.43
Mississippi	9.27	5.67	4.71	6.98	8.19	8.80	7.92	8.32
Missouri	10.10	5.89	5.34	10.85	10.20	10.46	10.77	10.62
Montana	6.62	5.40	4.90	7.72	7.87	7.52	9.50	5.01
Nebraska	8.25	4.56	4.02	6.13	6.92	R7.22	7.79	9.86
Nevada	8.24	5.46	6.02	7.91	7.81	7.79	7.62	7.65
New Hampshire	NA	7.64	6.62	NA	R9.76	R11.34	R12.22	R11.73
New Jersey	8.44	4.55	3.77	6.33	7.05	7.05	7.18	9.69
New Mexico	7.74	4.27	3.82	4.54	7.70	9.45	8.87	7.85
New York	8.28	NA	5.42	3.96	5.22	8.45	9.04	11.07
North Carolina	10.82	6.74	5.98	9.88	9.88	10.30	11.48	11.71
North Dakota	8.54	4.57	4.22	7.51	7.49	7.38	R7.27	8.59
Ohio	10.03	5.98	5.40	11.04	R11.26	10.58	10.44	10.73
Oklahoma	8.99	5.80	4.81	9.52	8.79	8.67	8.61	9.11
Oregon	6.64	6.06	5.48	2.62	7.51	7.70	7.69	7.59
Pennsylvania	NA	7.20	7.34	11.44	R12.14	R12.07	NA	NA
Rhode Island	NA	7.56	7.90	NA	10.82	10.44	10.36	10.42
South Carolina	11.10	7.21	6.54	9.04	9.65	10.11	10.64	12.03
South Dakota	8.73	4.92	4.17	7.14	7.20	7.66	7.20	9.25
Tennessee	NA	5.86	5.43	NA	R9.04	R8.80	8.88	12.47
Texas	8.78	4.85	4.30	6.29	R8.34	7.29	8.36	9.55
Utah	7.09	4.63	3.93	6.90	6.87	6.54	7.28	7.23
Vermont	7.73	6.19	5.49	7.99	7.73	7.76	7.69	7.70
Virginia	NA	6.29	5.79	9.95	9.47	NA	9.34	10.99
Washington	NA	5.52	4.83	NA	R9.04	R9.04	R9.05	R8.72
West Virginia	NA	6.40	6.36	6.54	6.58	6.38	NA	6.52
Wisconsin	NA	5.38	4.72	NA	NA	8.31	7.87	8.30
Wyoming	9.03	4.39	4.34	8.67	11.04	R11.72	10.00	8.00
Total	8.99	5.56	5.20	6.82	R8.40	R8.82	R8.98	R9.66

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet) — Continued

State	2001	2000						
	January	Total	December	November	October	September	August	July
Alabama	9.46	7.77	8.99	9.50	8.95	8.72	8.62	8.72
Alaska	2.73	2.06	2.31	2.11	1.97	1.92	1.86	1.76
Arizona	7.47	6.92	7.24	8.12	7.07	6.96	6.78	7.18
Arkansas	NA	7.33	9.10	7.74	11.69	8.00	7.72	8.62
California	11.91	7.37	10.15	8.74	8.41	7.86	7.11	7.49
Colorado	6.78	5.20	6.15	6.42	5.85	6.05	6.05	5.50
Connecticut	10.05	6.56	8.31	7.08	5.91	4.48	3.94	4.99
Delaware	7.78	6.94	8.10	7.37	7.86	18.62	7.51	7.28
District of Columbia	14.07	8.81	11.63	11.64	10.60	10.00	8.25	7.19
Florida	10.02	7.80	9.25	8.44	8.25	8.42	8.39	8.12
Georgia	10.90	5.99	7.35	7.41	7.32	6.52	6.52	6.29
Hawaii	18.91	17.29	18.30	18.11	18.15	17.96	17.48	17.41
Idaho	6.55	5.57	6.43	6.71	6.69	6.46	6.34	5.74
Illinois	11.23	6.94	8.68	8.47	9.54	9.10	9.34	9.98
Indiana	NA	6.09	6.91	6.24	7.20	6.49	7.38	7.12
Iowa	9.11	6.61	8.83	7.18	7.67	8.70	8.27	7.75
Kansas	10.56	6.93	8.67	8.75	8.87	7.66	8.34	8.12
Kentucky	8.68	6.79	8.44	7.95	8.56	7.94	8.49	7.09
Louisiana	12.12	8.30	12.20	11.75	11.27	8.93	8.74	8.18
Maine	—	5.93	1.76	3.10	5.00	9.58	—	9.06
Maryland	10.99	7.92	8.41	8.64	10.70	10.42	9.86	9.07
Massachusetts	8 ^a 10.51	8.48	10.36	9.48	8.89	6.59	8.69	7.89
Michigan	4.83	4.85	4.74	4.91	5.29	5.62	5.89	6.01
Minnesota	11.44	6.03	8.17	6.86	7.30	6.67	5.91	6.66
Mississippi	11.65	6.41	7.96	7.01	7.65	6.80	6.45	6.65
Missouri	9.05	6.90	8.97	8.38	8.32	8.27	7.98	7.20
Montana	6.82	5.86	6.32	6.27	6.30	6.79	7.88	7.14
Nebraska	8.41	5.49	7.41	6.59	7.44	6.16	5.70	5.95
Nevada	9.88	5.53	5.49	5.49	5.71	5.82	5.86	5.80
New Hampshire	8 ^a 11.18	8.44	10.78	10.37	8.75	9.08	8.87	9.16
New Jersey	9.68	4.79	7.63	5.98	5.95	6.23	1.57	2.53
New Mexico	6.93	4.74	6.04	5.15	4.14	4.55	5.45	4.91
New York	9.63	NA	7.25	5.25	3.77	3.02	2.62	2.57
North Carolina	10.43	7.50	8.62	9.25	8.70	7.81	8.71	7.70
North Dakota	10.12	5.73	7.58	6.91	7.23	6.69	7.40	7.36
Ohio	8.84	6.98	8.80	8.71	8.37	8.64	8.95	8.03
Oklahoma	9.19	6.45	7.28	7.79	7.87	7.35	7.04	7.20
Oregon	7.52	6.48	7.53	7.55	6.97	6.33	6.39	6.48
Pennsylvania	NA	7.70	8.56	8.25	8.75	7.55	8.93	8.43
Rhode Island	10.35	8.33	10.04	9.70	10.43	10.21	9.39	9.33
South Carolina	12.35	7.92	9.87	9.50	8.40	8.05	7.95	7.18
South Dakota	10.81	6.05	7.96	6.96	7.22	7.76	7.69	7.00
Tennessee	9.89	8 ^a 6.75	8.43	8.50	7.97	7.15	7.64	7.73
Texas	10.67	5.74	7.37	7.16	7.40	6.23	5.96	6.05
Utah	7.19	4.90	5.44	5.42	5.12	4.61	4.71	4.40
Vermont	7.72	6.49	7.72	7.20	6.28	6.45	6.35	6.44
Virginia	10.85	7.51	9.78	9.01	8.70	8.65	7.96	8.49
Washington	8 ^a 7.33	6.05	7.11	7.13	7.13	7.09	6.20	5.60
West Virginia	2.97	6.57	6.55	6.75	6.87	7.44	7.46	7.24
Wisconsin	11.11	6.37	8.36	7.32	7.08	6.64	6.24	6.65
Wyoming	6.96	5.20	7.39	6.09	5.77	5.19	5.57	5.27
Total	8^a9.34	6.18	7.90	7.24	6.92	6.18	8^a5.42	5.88

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	8.23	7.12	7.09	7.39	6.50	6.79	6.68	6.95
Alaska	2.02	1.91	1.96	2.13	2.12	2.16	2.18	2.17
Arizona	6.58	6.60	6.31	6.23	7.97	6.14	6.17	6.20
Arkansas	7.28	10.52	7.09	4.42	6.17	5.51	5.38	5.31
California	6.52	6.55	6.13	6.51	6.56	6.05	6.14	6.77
Colorado	5.01	4.78	4.60	4.52	4.59	4.55	4.55	4.78
Connecticut	6.16	5.26	7.01	6.27	6.82	7.97	6.53	7.81
Delaware	6.89	6.85	6.58	6.40	6.46	5.69	7.00	6.92
District of Columbia	7.25	7.77	8.15	8.34	8.55	7.89	7.38	8.07
Florida	7.79	7.49	7.24	7.12	6.98	6.87	6.50	6.74
Georgia	6.22	5.49	5.22	5.18	5.15	5.37	3.87	6.95
Hawaii	17.66	17.59	16.71	16.09	16.12	16.02	14.33	15.80
Idaho	5.10	5.12	5.13	4.88	4.90	4.86	4.77	4.92
Illinois	10.39	7.63	5.92	5.41	5.08	4.95	5.20	5.34
Indiana	6.67	6.62	5.57	5.57	5.56	5.09	5.17	4.90
Iowa	8.95	9.59	5.48	5.17	4.91	4.57	4.79	5.23
Kansas	7.52	6.69	6.06	5.98	5.67	5.74	5.04	5.53
Kentucky	6.89	6.47	5.78	5.61	5.52	5.43	5.14	5.76
Louisiana	8.99	7.19	5.84	6.15	5.90	5.78	5.73	6.28
Maine	8.08	7.44	7.30	7.72	7.10	6.65	6.65	6.25
Maryland	8.64	7.20	8.09	7.27	7.07	6.36	6.94	6.62
Massachusetts	6.73	7.77	8.22	8.85	7.84	8.21	7.63	7.85
Michigan	5.53	5.00	4.80	4.69	4.65	4.66	4.87	4.61
Minnesota	6.33	5.21	5.00	4.94	5.00	4.66	4.44	4.46
Mississippi	8.85	5.58	5.84	5.58	5.19	5.13	4.88	5.13
Missouri	6.86	6.24	6.09	5.54	5.79	5.90	5.47	5.89
Montana	7.02	6.26	5.65	5.43	5.23	4.88	5.13	5.09
Nebraska	5.57	4.73	4.64	4.65	4.56	4.19	4.14	4.37
Nevada	5.66	5.65	5.50	5.39	5.44	5.36	6.02	5.42
New Hampshire	7.53	7.09	6.67	8.29	8.05	7.44	6.86	7.78
New Jersey	5.27	2.06	5.21	4.53	4.59	4.93	3.99	4.88
New Mexico	3.53	4.65	7.27	4.06	4.00	4.22	3.78	3.60
New York	2.89	3.53	NA	3.57	5.75	6.45	5.15	5.90
North Carolina	7.01	6.60	6.17	7.35	6.51	6.80	6.22	7.23
North Dakota	5.63	5.29	4.64	4.51	4.31	4.41	4.51	4.76
Ohio	7.33	6.61	5.86	5.86	5.84	5.96	5.58	5.92
Oklahoma	6.71	6.25	5.47	5.97	5.55	5.79	5.09	6.06
Oregon	6.16	6.07	6.06	6.06	6.06	6.04	5.66	5.76
Pennsylvania	7.91	7.87	7.50	7.31	7.11	6.77	7.29	6.98
Rhode Island	8.70	8.14	7.97	7.70	7.39	6.94	8.03	7.87
South Carolina	7.05	6.61	7.02	7.57	7.26	7.36	6.54	7.06
South Dakota	7.18	6.97	4.77	4.64	4.68	4.36	4.52	5.10
Tennessee	6.12	6.06	7.31	6.52	6.05	4.78	5.73	6.61
Texas	5.92	4.67	5.03	4.55	4.77	4.58	4.42	4.24
Utah	4.40	4.37	4.24	4.63	4.70	4.82	4.13	4.54
Vermont	6.38	6.20	6.17	6.17	6.18	6.20	5.69	6.37
Virginia	7.50	6.38	6.29	6.18	6.25	6.14	5.99	6.17
Washington	5.39	5.36	5.33	5.44	5.44	5.93	4.89	4.85
West Virginia	7.55	6.76	6.50	6.50	6.21	6.14	6.23	4.79
Wisconsin	6.47	4.96	6.03	5.47	5.21	5.13	4.84	5.10
Wyoming	4.92	4.70	4.80	3.76	4.51	4.41	4.38	4.44
Total	5.82	5.50	5.63	5.33	5.68	5.55	5.33	5.56

^a Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				June	May	April	March	February
Alabama	7.60	3.69	3.32	5.62	6.67	7.16	6.75	8.73
Alaska	1.53	1.44	1.20	1.49	1.52	1.51	1.55	1.55
Arizona	6.30	3.81	3.40	5.58	5.78	5.93	5.97	6.74
Arkansas	NA	NA	3.22	NA	4.39	4.20	4.44	NA
California	10.19	4.43	3.20	8.32	8.86	11.74	11.68	11.11
Colorado	4.41	3.00	2.76	4.12	4.07	4.02	3.98	4.91
Connecticut	8.49	5.23	4.10	6.10	7.02	8.05	8.18	11.55
Delaware	7.34	4.36	3.90	6.91	8.22	7.38	11.56	4.62
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.82	4.53	3.49	6.41	8.02	8.40	8.16	7.85
Georgia	NA	4.03	2.93	5.31	6.06	NA	7.80	9.75
Hawaii	11.34	9.20	8.23	11.17	11.23	11.08	11.04	11.84
Idaho	5.91	3.48	3.21	6.37	6.59	6.89	6.35	5.56
Illinois	6.85	4.38	3.65	3.90	2.71	5.17	7.02	9.57
Indiana	9.26	4.39	4.22	8.72	9.74	9.41	12.41	8.09
Iowa	8.43	4.21	3.66	8.02	6.30	7.87	9.41	8.36
Kansas	6.91	3.68	3.02	5.15	6.04	7.03	7.49	10.27
Kentucky	7.55	3.89	3.12	5.87	6.26	7.08	7.76	8.16
Louisiana	6.79	3.10	2.17	5.03	5.36	5.83	5.88	6.54
Maine	NA	5.47	5.24	NA	—	—	—	—
Maryland	14.99	6.59	5.52	10.20	10.66	11.71	13.58	21.16
Massachusetts	10.90	6.28	5.07	9.06	R10.33	R12.69	R13.84	R9.71
Michigan	4.48	4.03	3.75	5.63	5.62	4.30	4.36	4.30
Minnesota	6.78	3.53	2.73	4.32	5.57	6.24	R6.02	6.78
Mississippi	7.05	3.73	3.01	4.58	6.05	6.08	6.44	6.95
Missouri	8.85	4.93	4.23	8.37	8.57	9.09	9.76	10.22
Montana	5.26	3.75	3.31	6.05	5.08	4.91	5.01	6.10
Nebraska	6.99	3.79	3.20	4.76	5.36	6.77	7.16	8.59
Nevada	6.72	4.44	4.66	7.41	7.39	6.86	7.32	7.27
New Hampshire	NA	5.44	4.37	NA	R8.00	R10.92	R12.66	R11.42
New Jersey	7.25	3.87	3.30	6.36	6.55	5.96	6.55	9.50
New Mexico	6.80	2.89	2.76	4.23	6.52	8.04	6.95	7.37
New York	9.11	4.92	3.57	5.73	6.79	7.98	8.66	10.27
North Carolina	7.78	4.34	3.47	5.25	5.87	6.80	6.40	12.01
North Dakota	6.69	3.38	2.55	4.50	5.47	5.83	5.81	7.08
Ohio	9.49	5.16	3.80	11.26	R7.57	10.19	10.29	11.06
Oklahoma	8.20	4.45	3.46	8.18	7.97	7.90	7.89	7.90
Oregon	5.88	4.68	3.95	5.59	R5.79	R5.80	R5.86	5.93
Pennsylvania	8.22	4.84	4.06	5.95	R7.42	R8.59	R9.19	7.43
Rhode Island	7.44	4.61	4.38	5.70	7.11	7.24	7.40	7.99
South Carolina	7.10	4.20	3.08	5.11	6.30	6.61	6.64	7.97
South Dakota	7.04	3.53	3.13	5.84	5.89	5.66	6.42	8.75
Tennessee	7.90	4.41	3.63	6.37	6.81	7.04	7.40	10.26
Texas	5.91	3.15	2.21	3.91	4.79	5.37	5.34	6.31
Utah	5.69	3.23	2.93	4.42	5.14	5.52	5.88	6.18
Vermont	5.74	4.19	2.77	4.87	4.93	4.71	5.44	6.38
Virginia	7.73	4.44	3.85	4.89	5.61	6.14	6.51	9.60
Washington	5.90	3.34	2.55	6.58	R5.25	R5.73	R3.76	R6.71
West Virginia	NA	5.11	2.79	NA	NA	6.36	NA	R6.69
Wisconsin	NA	4.43	3.94	NA	NA	7.75	7.04	7.61
Wyoming	7.25	3.50	3.29	7.52	7.92	7.65	7.39	6.77
Total	6.62	3.72	2.98	4.93	R5.41	R6.13	R6.35	R7.27

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2001	2000						
	January	Total	December	November	October	September	August	July
Alabama	9.81	4.46	6.47	5.02	5.56	5.06	4.50	4.79
Alaska	1.56	1.57	2.34	1.61	1.56	1.59	1.60	1.55
Arizona	8.07	4.42	6.19	4.15	5.32	5.22	4.30	4.70
Arkansas	5.30	NA	3.22	4.35	2.95	^b 4.56	4.10	4.02
California	8.95	5.59	9.44	6.26	7.14	6.84	5.55	5.75
Colorado	5.15	3.35	3.93	3.90	3.76	3.44	3.45	3.71
Connecticut	9.87	5.81	7.79	7.17	6.78	5.16	5.45	5.43
Delaware	7.39	^b 5.04	6.60	5.37	4.74	7.00	5.79	7.18
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.13	5.15	6.93	6.72	6.56	5.63	5.29	5.08
Georgia	10.30	4.52	5.87	5.33	5.43	4.81	4.35	4.58
Hawaii	11.65	10.17	11.93	11.80	11.16	10.77	11.21	10.21
Idaho	4.87	3.97	5.47	4.76	4.67	4.05	3.96	4.47
Illinois	10.59	5.78	8.05	7.60	7.66	6.49	6.41	6.65
Indiana	8.85	4.54	4.74	4.86	5.46	3.82	4.56	4.13
Iowa	9.46	5.36	7.66	6.04	6.28	5.99	5.29	5.21
Kansas	8.66	NA	6.58	NA	5.09	3.74	3.97	4.10
Kentucky	8.35	4.96	7.70	6.63	6.20	5.93	5.37	4.76
Louisiana	10.13	4.02	6.22	4.76	5.05	4.66	3.93	4.48
Maine	—	^b 5.98	^b 8.48	^b 7.50	^b 6.35	^b 6.27	^b 6.11	^b 6.07
Maryland	17.19	7.31	8.55	7.36	8.24	7.84	8.26	6.84
Massachusetts	^b 9.44	7.01	9.05	8.24	7.76	7.36	7.71	6.37
Michigan	4.25	4.22	4.31	4.79	4.71	4.64	4.41	4.48
Minnesota	11.91	4.48	6.72	5.31	5.83	5.07	4.24	4.98
Mississippi	^b 11.40	4.57	6.18	5.38	6.16	5.25	4.57	4.96
Missouri	7.63	5.85	8.50	7.47	6.35	4.44	6.45	5.71
Montana	4.75	4.29	4.78	4.85	5.14	6.12	6.37	5.69
Nebraska	7.53	4.58	6.54	5.52	4.90	5.27	4.98	5.08
Nevada	^b 5.46	5.11	6.10	6.26	7.78	6.54	4.62	5.43
New Hampshire	^b 11.24	6.17	10.28	9.48	7.24	6.34	5.55	6.06
New Jersey	9.96	4.40	6.82	6.78	3.55	4.96	6.53	5.44
New Mexico	3.72	4.14	5.07	4.80	4.55	4.98	5.11	4.73
New York	14.24	5.00	5.36	5.13	5.13	4.95	4.98	4.81
North Carolina	9.84	5.18	6.23	9.66	5.81	5.14	7.84	5.12
North Dakota	9.82	4.28	6.30	5.09	5.86	5.05	4.46	4.76
Ohio	7.83	5.99	7.87	7.07	7.17	6.74	6.71	6.50
Oklahoma	8.85	^b 5.09	6.60	^b 6.41	^b 5.59	^b 5.72	^b 5.49	^b 5.05
Oregon	6.21	4.99	6.09	5.73	5.59	4.38	5.50	4.43
Pennsylvania	8.99	5.13	5.96	6.17	5.69	4.82	4.90	4.53
Rhode Island	9.03	5.38	7.09	6.41	6.37	7.09	5.16	5.64
South Carolina	10.41	4.88	6.99	5.61	6.12	5.61	4.80	5.14
South Dakota	7.91	4.36	6.57	5.16	5.27	4.58	3.51	4.25
Tennessee	8.58	4.94	7.04	5.10	5.16	5.26	5.00	5.41
Texas	9.14	4.34	6.55	5.17	5.45	4.95	4.23	4.63
Utah	6.58	3.77	5.55	4.72	4.53	3.92	3.87	3.03
Vermont	8.41	4.65	5.90	5.71	4.95	5.00	4.56	4.41
Virginia	10.11	5.14	8.08	6.17	4.72	4.66	4.89	4.66
Washington	^b 7.42	NA	NA	^b 4.78	3.48	^b 3.25	2.75	2.82
West Virginia	8.68	5.44	5.61	5.22	7.69	6.02	5.16	5.54
Wisconsin	11.36	5.56	7.94	6.66	6.55	5.89	5.07	5.68
Wyoming	6.77	3.99	4.92	4.63	5.27	3.52	6.45	3.47
Total	^b8.68	4.50	^b6.49	^b5.39	^b5.32	4.91	^b4.40	^b4.61

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,**1999-2001**

(Dollars per Thousand Cubic Feet) — Continued

State	2000						1999	
	June	May	April	March	February	January	Total	December
Alabama	4.75	3.65	3.57	3.44	3.47	3.45	3.42	3.54
Alaska	1.51	1.40	1.49	1.43	1.41	1.40	1.25	1.37
Arizona	4.50	4.00	4.10	3.53	3.54	3.38	3.42	3.44
Arkansas	NA	2.85	2.80	2.83	2.44	2.86	3.45	3.71
California	5.09	4.53	4.45	4.37	4.45	3.82	3.34	3.89
Colorado	3.54	3.01	3.00	2.83	2.81	2.74	2.81	2.77
Connecticut	4.86	4.67	5.00	5.49	5.53	5.36	4.15	4.90
Delaware	5.14	4.90	5.05	3.98	5.40	2.64	4.07	3.87
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.29	4.88	3.93	4.49	4.40	4.06	4.03	3.77
Georgia	4.43	3.90	3.89	3.68	4.00	4.31	3.41	4.35
Hawaii	10.20	10.13	9.57	8.53	8.48	8.28	8.21	8.28
Idaho	3.43	3.44	3.53	3.42	3.50	3.54	3.29	3.55
Illinois	5.16	4.92	4.33	5.05	3.78	4.06	4.06	4.58
Indiana	3.68	5.04	4.47	4.47	5.68	3.60	4.16	3.96
Iowa	3.55	6.15	4.26	4.25	3.88	4.14	3.98	5.02
Kansas	3.81	3.32	3.85	3.56	4.02	3.61	2.93	3.49
Kentucky	4.41	4.03	3.76	3.60	3.82	3.87	3.32	4.14
Louisiana	4.27	3.09	2.94	2.71	2.92	2.77	2.54	2.66
Maine	5.62	6.56	5.42	5.80	5.16	4.60	4.93	4.98
Maryland	6.87	6.35	5.99	6.67	7.89	5.67	5.69	6.29
Massachusetts	5.12	6.00	6.54	6.39	6.62	6.26	5.23	5.85
Michigan	4.67	4.17	4.08	4.18	3.80	3.87	3.69	3.82
Minnesota	4.72	3.53	3.46	3.29	3.31	3.28	2.98	2.92
Mississippi	4.71	3.64	3.71	3.49	3.52	3.43	3.24	3.25
Missouri	5.19	5.03	5.04	4.65	5.02	4.87	4.42	4.94
Montana	3.75	4.44	0.30	4.22	4.51	4.40	3.44	3.33
Nebraska	4.70	3.68	3.65	3.77	3.70	3.51	3.38	3.59
Nevada	3.95	4.39	3.66	4.68	5.08	4.33	4.76	4.94
New Hampshire	5.61	4.50	5.39	4.05	7.70	7.03	4.60	8.38
New Jersey	4.39	3.96	4.02	3.33	4.00	3.55	3.14	2.22
New Mexico	2.74	3.41	2.41	2.84	2.79	3.44	2.69	0.95
New York	4.97	5.30	4.80	4.75	4.98	5.14	3.89	4.10
North Carolina	3.99	3.61	4.21	4.71	5.13	5.04	3.78	3.44
North Dakota	4.68	5.33	3.21	3.07	3.02	2.91	2.80	2.91
Ohio	5.06	5.44	4.49	4.97	5.39	5.38	3.94	4.33
Oklahoma	2.35	3.87	4.31	4.32	4.90	4.18	3.51	3.93
Oregon	4.36	8.19	4.38	4.46	4.31	4.39	4.01	4.31
Pennsylvania	4.53	4.69	4.67	4.69	5.07	5.20	3.99	4.34
Rhode Island	5.42	4.77	4.67	5.34	5.54	2.61	4.40	5.44
South Carolina	5.15	4.10	4.01	3.94	4.16	4.03	3.39	3.60
South Dakota	4.03	3.83	3.39	3.52	3.46	3.37	3.35	3.76
Tennessee	4.59	4.25	4.78	4.32	4.36	4.20	3.72	4.43
Texas	4.25	3.31	3.08	2.79	2.72	2.54	2.55	2.53
Utah	3.02	3.16	2.69	3.44	3.39	3.45	2.94	3.60
Vermont	4.52	3.98	3.98	4.01	4.38	4.21	3.06	3.70
Virginia	3.91	4.15	4.57	4.27	4.09	5.58	3.95	4.46
Washington	2.92	3.26	3.50	3.36	3.50	3.39	2.78	1.71
West Virginia	5.38	2.69	6.09	5.02	5.62	5.59	3.04	3.21
Wisconsin	5.43	4.02	4.60	4.33	4.35	4.25	4.05	3.72
Wyoming	3.73	3.51	3.35	3.27	3.29	3.28	3.30	3.32
Total	4.24	2.369	3.67	2.359	2.369	2.46	2.10	2.05

^a Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24

**Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers,
by State, 1999-2001**
(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				May	April	March	February	January
Alabama	6.59	4.28	2.42	5.08	5.88	6.26	6.04	9.75
Alaska	2.18	1.67	1.66	2.27	2.32	2.13	2.13	2.12
Arizona	6.01	3.27	2.36	4.46	5.35	5.69	6.76	9.53
Arkansas	6.63	3.21	2.22	5.24	6.68	5.49	6.31	8.88
California	11.58	3.46	2.62	10.64	10.04	10.33	14.57	12.35
Colorado	5.40	2.96	2.49	4.13	5.06	5.26	6.13	7.11
Connecticut	—	—	2.46	—	—	—	—	—
Delaware	8.21	4.71	2.71	—	7.55	6.94	7.43	10.46
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.08	3.48	2.83	5.93	6.35	5.59	8.91	10.87
Georgia	5.70	3.99	2.24	5.21	5.93	8.07	6.90	7.23
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.87	3.38	2.14	4.44	6.18	5.57	6.44	9.49
Indiana	7.31	3.78	2.98	5.85	6.05	6.80	7.98	7.71
Iowa	6.32	3.43	3.10	6.49	6.35	6.23	7.11	5.31
Kansas	5.81	3.07	2.09	4.51	5.33	5.78	6.06	9.10
Kentucky	8.26	5.34	3.41	8.53	—	7.18	8.24	10.32
Louisiana	6.52	3.14	2.24	5.03	5.82	5.65	6.88	10.07
Maine	—	—	—	—	—	—	—	—
Maryland	—	3.84	2.89	—	—	—	—	—
Massachusetts	6.03	3.64	2.41	5.04	7.08	7.14	7.46	13.46
Michigan	3.88	2.56	1.44	5.08	5.03	5.32	5.11	1.33
Minnesota	6.47	3.23	2.56	4.66	5.74	5.31	7.83	11.79
Mississippi	5.94	3.12	2.20	4.77	5.52	5.37	6.38	10.26
Missouri	5.65	3.24	2.32	4.37	5.82	4.89	6.09	12.36
Montana	8.04	3.91	3.64	7.66	7.25	8.32	9.73	10.88
Nebraska	6.69	3.67	2.37	3.78	6.88	5.80	9.75	23.69
Nevada	8.16	3.07	2.34	7.04	6.24	7.60	9.05	10.52
New Hampshire	—	3.27	—	—	—	—	—	—
New Jersey	—	3.85	2.82	—	—	—	—	—
New Mexico	5.78	2.83	1.99	4.94	5.45	6.07	6.06	7.87
New York	7.73	3.80	2.59	5.31	6.12	6.32	8.12	17.03
North Carolina	6.63	3.76	3.18	6.06	7.81	—	—	—
North Dakota	6.31	—	—	6.28	—	6.52	—	—
Ohio	9.33	3.98	2.68	9.45	9.22	9.50	9.51	7.47
Oklahoma	6.77	3.39	2.50	5.41	6.07	6.42	6.23	10.20
Oregon	4.34	2.32	1.89	3.72	4.12	4.32	4.16	5.41
Pennsylvania	7.60	3.27	2.96	—	—	5.53	7.29	11.04
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.77	5.15	3.10	5.84	6.49	6.89	7.24	10.98
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.98	3.02	2.18	4.79	5.48	5.38	6.09	9.01
Utah	5.19	3.12	2.35	3.93	4.32	4.78	6.30	6.92
Vermont	4.91	3.63	2.52	4.63	5.84	5.84	7.69	—
Virginia	9.62	3.67	3.01	7.54	10.08	22.19	34.18	4.00
Washington	—	—	—	—	—	—	—	—
West Virginia	8.76	3.83	2.98	9.37	6.80	8.45	10.14	8.10
Wisconsin	6.45	3.45	2.75	5.66	6.07	5.88	6.57	8.65
Wyoming	4.49	3.10	6.48	3.71	4.06	5.06	4.91	5.00
Total	6.34	3.17	2.33	5.14	5.70	5.69	7.15	9.47

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	Total	December	November	October	September	August	July	June
Alabama	\$4.72	1.18	9.80	6.70	4.84	\$4.02	\$4.47	\$5.00
Alaska	1.78	1.96	1.98	1.97	1.82	1.77	1.75	1.63
Arizona	4.96	8.65	6.07	5.49	4.93	4.45	4.70	4.75
Arkansas	4.42	10.81	6.37	5.31	5.24	4.43	4.69	4.72
California	6.04	19.91	7.68	6.19	6.01	4.85	4.68	4.87
Colorado	\$4.18	\$7.93	4.97	4.00	3.73	3.94	4.06	3.96
Connecticut	—	—	—	—	—	—	—	—
Delaware	4.84	11.14	8.39	7.84	6.53	5.30	6.05	5.10
District of Columbia	—	—	—	—	—	—	—	—
Florida	\$4.57	6.63	5.57	\$6.24	5.54	4.73	5.10	5.15
Georgia	\$4.41	10.85	\$8.94	\$8.81	\$5.32	4.02	4.21	4.19
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	4.94	10.60	6.57	6.50	6.30	4.38	4.74	5.11
Indiana	5.62	7.71	5.80	6.61	5.97	4.38	4.43	5.80
Iowa	4.60	7.04	5.54	5.98	5.43	4.57	4.61	5.25
Kansas	4.23	8.79	5.74	5.12	4.91	4.41	3.99	3.87
Kentucky	5.65	7.22	5.81	6.26	5.28	4.73	5.09	6.06
Louisiana	4.54	8.97	5.64	5.62	5.19	4.47	4.64	4.75
Maine	—	—	—	—	—	—	—	—
Maryland	4.61	—	—	—	5.90	5.17	4.69	4.95
Massachusetts	4.55	8.93	5.56	5.94	5.58	5.07	4.74	4.97
Michigan	\$2.72	2.81	3.16	1.88	\$1.85	3.26	3.13	3.17
Minnesota	4.49	6.52	5.62	5.73	3.82	4.70	4.76	4.28
Mississippi	4.17	9.29	5.76	5.44	5.10	4.31	3.74	4.44
Missouri	4.40	5.00	\$6.33	\$5.40	\$5.29	4.73	4.45	4.51
Montana	5.52	7.31	13.52	7.46	4.54	5.26	5.35	4.94
Nebraska	4.60	3.62	5.99	5.51	5.62	4.43	4.78	4.33
Nevada	5.02	11.56	7.48	4.87	5.07	4.56	4.13	4.19
New Hampshire	3.27	—	—	—	—	—	—	—
New Jersey	4.38	—	—	—	5.42	—	5.19	4.77
New Mexico	\$3.90	7.35	\$5.14	4.82	4.58	4.35	4.38	4.27
New York	4.72	10.22	5.65	6.07	\$5.65	4.72	4.70	4.82
North Carolina	4.52	8.79	7.57	5.60	5.54	4.90	4.28	4.27
North Dakota	—	—	—	—	—	—	—	—
Ohio	4.79	6.39	5.81	5.89	6.39	5.97	5.35	3.39
Oklahoma	4.53	7.76	5.29	5.83	5.10	4.39	4.54	4.67
Oregon	3.02	4.74	3.78	2.71	2.67	2.40	2.81	3.35
Pennsylvania	4.01	6.67	6.02	5.77	—	—	3.18	5.09
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.62	9.82	7.02	6.55	6.34	6.26	5.42	5.36
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	\$4.24	7.95	5.23	5.34	\$4.81	\$4.32	4.34	4.40
Utah	4.05	6.15	5.23	4.66	3.57	3.60	3.58	3.79
Vermont	4.91	7.05	6.54	5.60	5.56	4.70	4.40	4.66
Virginia	4.63	2.12	9.11	7.65	7.53	5.31	5.06	5.48
Washington	—	—	—	—	—	—	—	—
West Virginia	4.87	5.73	6.03	6.15	4.87	5.52	5.84	4.19
Wisconsin	4.63	7.23	5.43	5.92	5.29	4.77	4.94	4.86
Wyoming	3.96	4.22	3.47	1.09	8.55	4.61	3.42	4.27
Total	\$4.33	\$8.23	\$5.37	\$5.17	\$4.85	\$4.27	\$4.35	\$4.45

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000					1999		
	May	April	March	February	January	Total	December	November
Alabama	4.75	3.45	1.41	2.94	4.94	2.98	3.72	3.09
Alaska	1.74	1.75	1.63	1.64	1.62	1.59	1.57	1.55
Arizona	3.77	3.40	3.01	2.94	2.64	2.67	2.62	3.04
Arkansas	3.79	3.20	2.99	2.86	2.84	2.59	2.60	2.56
California	4.19	3.54	3.38	3.23	2.83	2.76	2.74	3.00
Colorado	3.48	3.08	2.86	2.78	2.51	2.65	2.66	2.84
Connecticut	—	—	—	—	—	2.74	3.20	3.06
Delaware	4.20	5.87	5.86	^b 5.86	3.61	2.98	3.81	3.70
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.89	3.68	3.36	3.33	3.03	3.10	2.95	3.56
Georgia	3.93	3.89	3.41	11.20	1.20	2.57	2.85	3.65
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.64	3.57	3.11	3.14	2.78	2.41	2.37	2.25
Indiana	4.42	4.19	3.52	^b 3.33	3.29	2.97	3.26	4.05
Iowa	3.81	3.43	3.26	3.19	3.00	3.15	3.14	3.12
Kansas	3.54	3.15	2.92	2.69	2.56	2.36	2.57	2.87
Kentucky	7.17	5.83	4.93	3.59	3.17	3.49	2.93	4.25
Louisiana	3.62	3.22	2.97	2.96	2.71	2.59	2.49	3.09
Maine	—	—	—	—	—	—	—	—
Maryland	4.16	3.69	3.35	3.72	3.84	3.20	3.60	3.68
Massachusetts	3.97	3.67	3.40	3.42	2.98	2.72	3.39	2.88
Michigan	2.85	3.16	3.19	2.06	1.78	1.53	1.58	1.69
Minnesota	3.54	3.27	3.13	3.56	2.62	2.69	3.23	4.20
Mississippi	3.76	3.17	2.84	2.94	2.66	2.49	2.52	2.56
Missouri	3.77	3.23	2.99	2.85	2.75	2.66	2.78	3.00
Montana	3.37	3.53	3.88	3.71	4.13	2.01	1.39	1.44
Nebraska	4.07	3.53	3.31	3.24	2.87	2.80	3.05	4.18
Nevada	3.56	3.03	2.90	2.69	2.99	2.51	2.72	2.78
New Hampshire	3.70	3.47	3.19	3.18	—	2.67	—	—
New Jersey	3.79	3.77	3.51	4.15	4.98	3.08	3.69	3.08
New Mexico	3.35	2.99	2.66	2.58	2.47	2.31	2.39	2.40
New York	3.97	3.55	3.47	4.20	3.96	2.85	3.14	3.19
North Carolina	3.70	3.82	4.28	4.35	4.21	2.92	4.72	4.70
North Dakota	—	—	—	—	—	—	—	—
Ohio	5.49	1.25	4.03	4.60	3.46	3.15	4.20	3.11
Oklahoma	3.73	3.30	3.20	3.44	3.08	2.79	3.07	3.43
Oregon	2.75	2.50	2.27	2.20	2.22	1.96	2.20	2.26
Pennsylvania	3.42	^b 3.28	3.07	3.35	3.24	3.03	3.08	3.15
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.03	4.39	4.07	7.47	8.54	3.57	4.06	3.80
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.50	3.06	2.83	2.73	2.59	2.51	2.60	2.94
Utah	3.45	3.13	2.96	2.83	2.86	2.65	2.68	3.14
Vermont	3.83	3.56	3.32	3.33	3.09	3.23	2.92	3.78
Virginia	4.09	4.00	3.21	4.01	3.23	3.16	3.69	3.96
Washington	—	—	—	—	—	—	—	—
West Virginia	3.75	4.19	4.10	3.07	4.36	3.00	—	2.95
Wisconsin	3.80	3.49	3.23	3.16	3.22	2.93	2.97	3.44
Wyoming	3.72	3.31	2.94	2.70	2.82	3.89	1.98	2.39
Total	^b3.63	^b3.23	^b3.00	^b2.96	^b2.74	2.62	2.68	3.01

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.^b Revised Data.

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless

otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001

State	YTD 2001		YTD 2000		YTD 1999		2001	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	June	
							Commercial	Industrial
Alabama	81.2	13.4	78.3	15.5	79.3	22.8	70.7	13.8
Alaska	66.5	91.4	72.3	93.0	52.4	99.9	73.2	92.8
Arizona	92.4	51.7	84.1	37.0	84.2	33.8	93.9	56.8
Arkansas	NA	NA	84.6	NA	90.3	9.5	NA	NA
California	62.5	3.4	58.8	6.1	60.7	11.3	66.5	5.0
Colorado	99.9	8.3	99.0	12.5	97.5	9.9	100.0	1.0
Connecticut	NA	55.7	77.5	43.6	66.7	59.3	NA	46.8
Delaware	98.5	18.7	98.2	11.0	99.0	20.7	98.4	20.9
District of Columbia	27.6	—	40.1	—	49.3	—	21.3	—
Florida	57.0	3.0	65.0	2.9	95.5	5.8	49.5	4.6
Georgia	NA	NA	10.7	7.7	83.7	22.4	13.3	6.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	85.0	2.5	88.0	2.9	87.7	2.8	64.3	1.7
Illinois	42.2	12.7	42.2	8.6	45.7	10.2	25.5	6.2
Indiana	NA	8.0	78.6	7.6	81.0	6.5	NA	3.3
Iowa	84.3	6.2	79.5	6.8	85.3	7.4	71.5	2.7
Kansas	64.8	3.7	61.3	8.1	71.4	7.1	52.9	7.9
Kentucky	82.8	16.9	85.3	15.3	88.9	18.2	63.9	13.3
Louisiana	NA	7.1	96.7	9.4	94.3	8.0	95.6	3.2
Maine	NA	NA	100.0	56.7	100.0	80.8	NA	NA
Maryland	41.3	3.8	NA	5.1	35.5	6.4	28.2	2.4
Massachusetts	61.6	18.9	62.6	15.0	54.7	16.4	46.0	19.6
Michigan	65.8	10.8	59.7	8.2	60.1	10.8	48.3	5.1
Minnesota	98.6	41.0	95.9	37.5	97.1	38.7	99.4	38.8
Mississippi	93.6	26.3	95.5	36.4	96.7	27.1	93.9	31.9
Missouri	84.3	16.1	81.5	16.4	82.7	22.2	69.8	9.5
Montana	77.3	2.7	73.4	2.1	79.7	1.7	69.0	1.9
Nebraska	62.5	21.9	59.5	17.1	64.2	17.7	56.1	14.9
Nevada	66.8	4.4	57.7	6.2	65.0	9.0	54.8	11.8
New Hampshire	NA	NA	91.5	37.5	94.5	23.0	NA	NA
New Jersey	44.5	31.1	42.6	44.2	55.5	47.8	37.7	62.2
New Mexico	63.3	25.1	55.5	17.4	62.9	13.0	60.1	5.3
New York	63.7	5.5	NA	15.8	60.7	2.6	55.1	18.9
North Carolina	96.8	35.0	97.4	51.1	95.0	46.1	88.3	25.3
North Dakota	90.4	10.1	89.0	16.7	88.8	14.8	82.0	5.6
Ohio	43.5	4.1	42.2	2.9	49.1	5.1	28.0	1.5
Oklahoma	72.3	4.0	77.2	3.9	76.0	4.3	37.4	2.0
Oregon	99.8	15.1	99.3	12.9	98.9	15.4	99.7	21.0
Pennsylvania	NA	10.3	59.2	10.3	59.1	12.1	58.3	4.6
Rhode Island	62.9	3.5	57.7	10.0	57.8	4.3	52.6	100.0
South Carolina	97.7	82.0	98.7	84.1	97.2	86.0	96.0	77.4
South Dakota	85.7	26.1	81.3	38.7	82.6	45.2	79.5	18.6
Tennessee	NA	21.8	92.5	25.5	89.6	34.9	NA	22.3
Texas	49.1	23.5	81.5	20.6	78.4	18.2	58.2	24.8
Utah	85.9	10.3	84.6	9.5	83.5	9.9	76.9	95.5
Vermont	100.0	79.5	100.0	84.3	100.0	78.3	100.0	68.4
Virginia	NA	11.9	66.0	12.3	67.9	13.2	59.5	16.3
Washington	95.3	20.1	93.3	22.4	89.5	27.4	97.7	30.7
West Virginia	NA	NA	54.1	1.8	56.5	12.0	43.5	NA
Wisconsin	NA	NA	79.9	20.9	80.4	21.3	NA	NA
Wyoming	68.0	5.3	90.2	2.8	92.3	3.2	97.2	3.3
Total	65.2	14.2	65.7	15.7	68.4	16.6	61.2	13.5

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.3	10.1	80.6	12.6	77.3	12.2	84.3	15.0
Alaska	65.6	97.2	65.7	99.7	67.9	99.6	64.6	99.6
Arizona	92.7	53.9	89.3	51.4	95.7	50.8	91.5	52.5
Arkansas	NA	10.8	NA	10.7	NA	13.6	NA	NA
California	63.0	5.8	52.2	6.7	64.6	8.5	66.8	8.5
Colorado	100.0	0.5	100.0	0.2	99.8	—	100.0	0.1
Connecticut	77.5	61.3	73.1	52.8	77.8	53.5	74.4	51.2
Delaware	98.5	15.2	98.7	13.4	98.5	20.4	98.7	29.7
District of Columbia	23.9	—	24.1	—	28.8	—	28.2	—
Florida	53.4	4.2	57.7	3.5	56.8	2.8	59.2	3.7
Georgia	13.3	6.2	NA	NA	9.1	6.7	R13.5	8.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	69.5	2.1	86.4	2.1	88.6	2.5	90.3	3.2
Illinois	33.6	6.6	40.4	8.2	42.6	10.8	43.7	13.6
Indiana	NA	3.8	NA	6.3	NA	6.5	NA	13.3
Iowa	69.7	6.0	77.2	4.7	83.2	6.3	84.9	8.8
Kansas	55.4	6.4	67.1	2.4	64.8	2.6	63.8	2.4
Kentucky	R73.6	15.0	75.6	12.0	82.7	16.4	84.0	18.9
Louisiana	95.7	4.3	97.2	8.6	NA	6.3	97.0	8.3
Maine	—	—	—	—	—	—	—	—
Maryland	30.4	4.1	35.2	3.3	46.2	3.9	45.4	4.8
Massachusetts	R48.7	R22.7	R61.8	R25.2	R63.9	R42.5	R63.4	R34.6
Michigan	57.8	8.3	62.6	12.5	68.2	14.4	68.8	16.2
Minnesota	97.6	35.3	98.6	41.4	99.4	48.0	98.7	53.0
Mississippi	92.5	24.3	95.1	31.8	95.7	25.3	87.3	35.1
Missouri	71.6	10.4	82.6	13.5	83.5	18.0	85.6	15.7
Montana	68.7	2.3	75.1	R2.6	61.8	R2.8	88.2	R3.1
Nebraska	51.4	17.6	R53.7	18.7	60.7	27.5	61.8	26.8
Nevada	58.0	12.0	64.2	18.1	65.3	15.4	73.5	23.1
New Hampshire	R82.5	R21.4	R92.1	R60.2	R90.4	R30.9	R91.9	R35.8
New Jersey	39.9	21.1	46.6	13.5	47.9	15.0	43.6	26.3
New Mexico	60.6	5.5	48.5	47.9	66.4	33.5	68.0	29.7
New York	56.2	20.9	65.0	17.6	66.5	21.1	69.2	25.0
North Carolina	93.5	28.6	96.1	30.0	96.9	28.5	98.2	31.0
North Dakota	85.8	5.9	88.9	8.3	R89.4	16.8	92.2	13.9
Ohio	R27.2	R1.7	40.5	2.8	43.9	4.7	43.3	4.4
Oklahoma	52.4	1.8	63.3	3.2	77.9	4.3	78.1	4.9
Oregon	99.2	R20.8	99.4	R20.5	100.0	R18.9	100.0	17.3
Pennsylvania	R59.2	R6.2	R62.3	R8.2	NA	R9.1	NA	13.6
Rhode Island	60.2	100.0	63.9	100.0	62.5	100.0	64.9	100.0
South Carolina	96.5	76.5	97.4	81.5	96.8	81.4	98.3	86.5
South Dakota	83.9	14.1	84.1	21.7	86.7	27.3	85.1	34.3
Tennessee	R88.2	18.1	R92.8	18.0	92.8	22.3	95.0	22.8
Texas	R34.1	21.3	50.6	22.0	50.4	21.3	48.3	22.8
Utah	80.0	94.8	84.6	92.2	85.7	94.0	87.6	94.2
Vermont	100.0	75.6	100.0	79.4	100.0	79.7	100.0	80.4
Virginia	57.0	8.8	NA	12.4	77.9	14.3	79.8	16.7
Washington	R89.9	R30.9	R96.0	R33.5	R94.8	R38.9	R94.9	R37.0
West Virginia	52.6	NA	72.7	9.7	NA	NA	80.3	R6.9
Wisconsin	NA	NA	75.5	17.3	73.8	25.1	81.1	25.4
Wyoming	93.6	2.8	R66.5	4.8	57.3	7.3	59.6	8.1
Total	R55.8	12.0	R63.3	R13.8	66.0	R14.4	67.0	R15.6

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001		2000					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	85.8	16.7	76.3	15.9	79.1	19.9	67.5	17.8
Alaska	65.3	99.6	73.3	93.3	74.3	99.6	72.2	99.6
Arizona	91.6	44.7	84.1	37.5	90.1	37.9	83.3	47.0
Arkansas	NA	14.6	86.0	NA	94.3	13.9	91.4	14.2
California	64.1	9.5	56.8	5.0	63.3	6.7	55.6	5.6
Colorado	99.9	—	97.9	12.7	97.1	0.1	95.4	0.2
Connecticut	76.5	68.4	78.4	47.9	78.9	49.9	75.8	55.5
Delaware	98.4	11.1	98.0	10.5	97.5	11.7	97.5	15.0
District of Columbia	32.5	—	34.7	—	31.9	—	26.5	—
Florida	62.1	4.7	62.5	2.7	62.9	3.2	57.9	2.6
Georgia	12.0	9.9	9.1	7.5	6.2	24.8	6.0	9.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.8	3.3	86.0	2.6	87.7	2.8	82.4	2.3
Illinois	46.6	13.4	40.6	8.6	42.2	12.6	43.9	10.5
Indiana	NA	14.2	78.5	9.1	83.4	15.9	79.7	15.4
Iowa	92.6	8.0	79.2	7.1	82.6	12.0	80.5	8.3
Kansas	68.1	2.5	57.1	NA	58.9	2.9	43.5	NA
Kentucky	88.0	23.7	84.2	15.0	82.6	17.7	86.0	13.7
Louisiana	96.2	8.5	96.1	9.1	95.0	8.7	94.2	8.7
Maine	—	—	100.0	43.5	100.0	16.4	100.0	23.5
Maryland	44.6	7.8	NA	5.6	47.3	9.3	39.1	2.5
Massachusetts	67.4	34.6	62.0	13.2	66.8	30.2	60.3	30.4
Michigan	68.4	17.6	58.6	7.7	67.5	14.8	59.7	9.8
Minnesota	98.0	28.0	96.9	39.0	98.3	44.7	97.5	43.7
Mississippi	96.6	29.0	95.1	38.0	95.8	48.8	94.3	47.5
Missouri	89.4	23.7	79.0	15.9	83.6	24.0	72.1	13.1
Montana	76.3	3.0	74.4	1.9	81.5	0.2	77.0	2.0
Nebraska	78.2	23.1	59.9	14.6	53.2	19.2	69.6	18.3
Nevada	73.8	30.0	55.5	4.4	75.4	29.6	54.7	20.0
New Hampshire	90.3	30.7	86.7	34.8	80.6	31.7	83.6	23.7
New Jersey	44.1	25.5	45.2	32.9	44.5	22.0	50.8	19.8
New Mexico	67.9	25.2	58.9	22.4	69.8	17.3	71.8	22.6
New York	67.7	15.1	NA	18.3	67.2	51.7	65.1	53.5
North Carolina	98.8	38.3	96.4	49.5	96.7	36.4	89.5	24.3
North Dakota	92.3	15.3	89.4	15.9	92.9	25.1	91.8	19.5
Ohio	50.7	6.1	41.0	2.7	45.4	3.5	38.3	3.2
Oklahoma	82.4	8.2	73.6	3.7	81.9	7.3	75.3	3.8
Oregon	100.0	27.5	99.3	12.8	99.5	27.0	99.0	19.3
Pennsylvania	NA	14.4	59.8	10.5	65.1	13.5	61.7	10.5
Rhode Island	64.4	100.0	53.9	9.4	55.7	100.0	46.5	100.0
South Carolina	99.0	91.1	98.4	83.5	98.3	81.2	95.1	78.5
South Dakota	88.3	43.5	82.2	28.8	89.0	42.9	82.3	24.5
Tennessee	95.8	26.8	80.9	24.7	93.5	21.9	90.8	25.3
Texas	56.0	23.6	79.8	22.7	81.0	30.1	76.0	31.9
Utah	88.4	94.9	84.3	10.3	87.4	94.2	85.7	98.7
Vermont	100.0	96.0	100.0	83.8	100.0	93.0	100.0	83.9
Virginia	75.3	19.3	66.8	13.2	74.3	10.3	69.7	26.1
Washington	95.1	39.7	90.2	NA	93.8	NA	70.6	32.4
West Virginia	76.8	6.5	53.7	2.1	73.5	4.3	56.3	4.0
Wisconsin	81.7	24.1	78.7	21.8	82.9	31.9	79.1	24.3
Wyoming	79.3	5.2	89.7	2.8	96.6	2.8	83.6	2.5
Total	68.9	15.8	65.3	15.6	68.4	18.4	64.9	17.9

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	68.1	16.1	70.5	15.2	74.1	15.1	73.6	14.4
Alaska	73.4	99.6	75.1	99.7	76.9	99.9	77.3	99.9
Arizona	78.0	40.3	81.1	34.0	84.5	34.7	81.9	33.3
Arkansas	78.8	8.6	72.5	5.3	81.7	6.1	76.8	6.5
California	56.5	4.6	49.2	4.2	47.2	4.1	51.7	4.5
Colorado	95.4	0.4	95.9	1.8	96.6	3.2	96.7	4.6
Connecticut	79.9	57.8	82.7	36.9	81.1	64.3	83.1	50.3
Delaware	97.8	7.7	94.9	12.0	98.4	9.1	98.7	3.2
District of Columbia	22.9	—	19.9	—	21.7	—	28.6	—
Florida	58.9	3.6	58.0	3.5	59.7	3.3	60.3	3.2
Georgia	8.7	8.1	10.1	7.0	9.8	7.0	9.8	6.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	75.7	2.4	80.2	1.9	81.7	2.5	83.5	2.2
Illinois	32.9	6.3	32.9	6.1	28.9	4.8	26.2	5.6
Indiana	73.6	9.3	70.9	9.3	67.6	8.0	68.4	7.9
Iowa	74.9	7.3	69.1	5.9	75.4	4.6	69.0	3.7
Kansas	47.7	7.3	51.0	16.6	43.4	22.7	44.1	21.3
Kentucky	82.4	13.6	80.2	12.7	79.2	15.1	79.8	13.7
Louisiana	95.9	7.4	95.9	8.2	95.9	7.6	95.6	10.2
Maine	100.0	39.2	100.0	47.4	—	44.0	100.0	51.7
Maryland	35.3	10.3	27.8	8.9	30.6	3.6	27.1	8.7
Massachusetts	57.2	20.3	66.6	25.2	50.0	21.0	49.9	23.7
Michigan	50.2	7.7	43.0	4.5	41.1	5.0	36.6	5.3
Minnesota	98.9	42.3	99.0	33.7	98.6	41.2	97.2	37.0
Mississippi	94.1	49.5	93.8	44.3	92.8	49.9	93.6	47.1
Missouri	61.0	8.4	80.6	23.9	65.5	14.4	67.5	10.4
Montana	73.1	1.5	68.5	0.8	64.9	0.8	65.6	0.9
Nebraska	64.8	16.5	62.3	6.9	64.3	15.0	67.1	6.0
Nevada	48.3	14.2	44.3	11.0	42.2	11.1	36.4	20.2
New Hampshire	77.4	27.7	73.3	32.0	69.5	33.3	73.3	37.0
New Jersey	42.3	15.3	30.8	18.2	73.7	22.5	31.3	12.3
New Mexico	73.9	30.6	41.7	30.8	54.3	28.4	49.0	20.5
New York	66.4	51.0	67.8	58.1	68.1	54.4	68.5	56.1
North Carolina	99.5	61.7	99.8	59.0	84.5	26.4	100.0	65.3
North Dakota	88.0	11.7	82.6	9.0	83.8	9.8	80.4	16.0
Ohio	35.1	1.1	31.8	1.0	30.1	0.8	29.9	1.2
Oklahoma	60.2	2.9	51.1	2.5	49.3	2.5	53.4	2.6
Oregon	100.0	16.9	98.7	16.3	98.8	13.1	98.9	15.7
Pennsylvania	54.1	9.0	62.6	9.2	50.7	9.0	54.1	9.7
Rhode Island	40.6	100.0	39.5	100.0	40.1	100.0	42.3	100.0
South Carolina	100.0	84.5	100.0	85.2	95.2	78.8	100.0	85.6
South Dakota	79.7	26.6	70.9	13.1	77.7	10.9	72.7	14.2
Tennessee	86.4	28.7	74.0	26.8	85.7	20.9	83.8	20.1
Texas	75.7	18.3	75.9	19.4	76.9	21.7	79.1	21.5
Utah	80.3	94.0	80.3	94.2	75.2	94.6	77.9	94.3
Vermont	100.0	82.3	100.0	82.9	100.0	79.6	100.0	81.0
Virginia	67.8	17.1	62.9	13.9	56.3	16.8	55.0	12.5
Washington	91.4	31.9	89.0	31.7	88.0	27.3	89.3	28.6
West Virginia	47.6	1.7	32.9	1.5	33.7	1.4	37.8	1.7
Wisconsin	72.4	18.5	64.5	16.2	66.9	15.4	66.2	15.0
Wyoming	86.5	3.1	85.0	2.8	85.6	2.5	87.1	2.6
Total	62.4	14.0	60.9	14.2	62.3	14.2	60.8	14.8

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.6	14.2	75.4	13.9	73.7	15.1	76.3	14.9
Alaska	81.7	99.9	68.1	99.8	73.7	99.9	74.8	99.8
Arizona	82.5	38.6	80.6	32.8	81.5	27.5	82.7	38.7
Arkansas	79.1	NA	80.1	7.4	77.4	7.1	91.2	7.8
California	59.0	5.1	55.3	5.5	58.8	6.2	60.0	6.1
Colorado	97.2	2.8	96.9	0.8	97.1	0.4	100.0	0.3
Connecticut	80.7	45.4	79.4	53.2	77.1	30.6	79.4	45.9
Delaware	98.3	9.6	98.6	7.3	98.6	11.0	97.2	11.6
District of Columbia	28.0	—	30.0	—	34.2	—	37.4	—
Florida	61.7	4.3	63.5	3.7	64.4	4.1	65.8	3.2
Georgia	11.6	6.8	13.1	6.6	11.2	7.5	12.2	7.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	85.0	1.9	82.8	2.3	88.1	2.7	87.7	3.6
Illinois	25.9	4.9	32.5	4.6	40.4	7.4	44.1	8.0
Indiana	65.8	8.2	72.0	5.7	79.6	8.0	80.0	8.4
Iowa	66.2	7.1	51.6	4.7	77.1	5.5	83.8	6.4
Kansas	46.4	14.8	55.1	9.7	62.8	6.4	59.6	7.8
Kentucky	76.3	15.6	77.3	14.3	84.2	14.2	84.5	14.2
Louisiana	96.5	9.7	96.6	8.6	97.3	8.5	97.1	9.2
Maine	100.0	60.5	100.0	57.6	100.0	55.1	100.0	57.1
Maryland	22.9	4.4	27.2	5.7	27.5	1.4	35.1	6.1
Massachusetts	49.6	26.8	54.7	28.0	56.4	23.7	58.9	32.8
Michigan	41.6	5.8	50.8	7.2	56.0	9.3	61.0	10.1
Minnesota	96.3	24.9	98.3	59.6	96.1	39.6	95.9	38.9
Mississippi	92.1	46.3	93.7	45.9	95.1	43.0	96.0	43.4
Missouri	67.9	10.4	74.8	12.1	78.9	15.3	81.7	16.4
Montana	59.8	1.1	63.3	1.3	67.5	1.8	74.6	2.4
Nebraska	47.8	11.4	53.1	17.2	55.7	15.1	58.9	17.0
Nevada	46.0	14.0	48.0	16.2	53.6	19.2	60.6	26.5
New Hampshire	78.1	35.5	87.6	43.6	85.7	38.2	94.3	44.8
New Jersey	43.7	31.3	70.4	26.9	41.4	26.3	41.3	26.5
New Mexico	44.2	21.3	49.2	17.4	29.9	19.1	61.4	14.0
New York	65.0	17.4	66.8	16.4	NA	45.4	68.2	54.1
North Carolina	100.0	69.8	100.0	62.2	99.8	59.6	91.6	27.9
North Dakota	82.8	5.0	82.4	12.8	88.5	18.6	89.4	18.3
Ohio	26.2	1.4	38.6	1.6	41.7	2.2	39.7	2.6
Oklahoma	72.0	2.1	65.3	3.0	73.0	3.6	73.6	4.6
Oregon	99.1	16.7	100.0	9.2	99.1	16.7	99.2	19.4
Pennsylvania	58.9	8.4	56.1	8.8	57.1	10.0	59.9	9.1
Rhode Island	46.7	100.0	61.2	100.0	49.5	100.0	60.7	100.0
South Carolina	100.0	85.4	100.0	87.2	100.0	87.2	95.6	80.1
South Dakota	73.5	18.8	79.1	31.6	95.7	44.1	68.6	45.5
Tennessee	85.7	28.3	89.4	28.3	91.6	21.7	92.8	24.5
Texas	80.6	19.9	78.7	16.5	79.9	17.3	80.1	19.8
Utah	77.9	95.1	77.0	94.4	79.4	92.0	84.2	94.9
Vermont	100.0	92.4	100.0	82.0	100.0	81.5	100.0	80.8
Virginia	53.3	11.1	53.7	16.3	61.8	9.2	65.1	18.8
Washington	89.3	27.0	91.1	29.9	93.0	23.1	94.6	31.5
West Virginia	34.4	1.5	46.1	1.9	49.3	1.9	47.4	1.3
Wisconsin	68.3	15.5	73.6	11.8	77.6	21.2	80.0	21.9
Wyoming	95.2	10.8	89.5	1.9	93.3	1.5	87.5	2.2
Total	61.3	15.2	64.0	814.3	63.3	815.7	65.7	816.2

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000				1999			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	83.6	18.1	79.5	17.0	70.5	21.8	69.1	21.8
Alaska	71.1	99.8	69.6	99.8	55.4	99.1	62.2	97.5
Arizona	90.6	40.8	84.5	42.0	82.5	36.2	81.3	42.2
Arkansas	90.7	^a 9.3	91.1	^a 7.2	89.3	10.1	91.9	10.6
California	60.9	7.0	58.0	6.4	57.4	12.9	58.1	11.4
Colorado	99.9	0.3	100.0	0.3	97.5	7.1	98.1	2.5
Connecticut	80.8	52.9	69.6	44.6	62.9	55.8	62.3	50.1
Delaware	98.2	11.8	98.2	14.5	98.8	16.6	98.0	12.6
District of Columbia	49.3	—	48.9	—	46.0	—	50.3	—
Florida	67.6	2.5	65.8	3.8	94.5	5.0	92.8	5.3
Georgia	12.0	9.9	7.8	9.3	61.0	23.9	9.5	35.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	89.1	3.7	89.5	3.3	86.0	2.7	85.6	2.5
Illinois	45.5	9.9	44.8	10.7	42.8	9.1	43.1	10.0
Indiana	81.7	6.7	78.5	9.3	78.3	5.8	79.3	7.2
Iowa	84.2	8.2	85.6	8.4	83.4	7.4	83.7	8.7
Kansas	66.9	5.3	61.3	4.6	66.7	10.1	59.9	5.7
Kentucky	87.2	17.7	87.8	15.5	88.0	18.4	90.0	20.1
Louisiana	97.8	7.9	95.2	8.2	93.8	8.5	91.8	8.2
Maine	100.0	55.1	100.0	56.3	100.0	78.2	100.0	80.4
Maryland	41.2	7.1	NA	8.8	33.4	6.5	37.4	6.8
Massachusetts	68.5	32.3	72.8	23.4	59.8	36.9	74.6	48.0
Michigan	64.5	14.0	63.7	12.9	56.6	11.1	61.5	10.5
Minnesota	96.8	34.2	94.4	39.7	97.2	39.8	97.4	44.9
Mississippi	96.7	46.3	96.3	41.3	96.0	26.3	96.0	24.6
Missouri	85.5	18.7	83.3	23.0	78.6	18.5	80.5	22.6
Montana	76.4	2.5	79.7	2.7	79.9	1.7	85.5	2.7
Nebraska	66.0	19.1	61.9	20.0	66.6	14.2	70.0	20.4
Nevada	62.5	26.9	66.0	30.2	60.9	22.5	65.0	28.1
New Hampshire	95.0	32.7	93.9	28.0	93.2	24.3	92.4	30.6
New Jersey	42.4	23.4	38.1	26.1	56.0	47.9	60.2	45.0
New Mexico	62.7	13.9	63.8	9.0	62.9	16.4	69.9	16.0
New York	70.0	33.6	66.8	43.8	57.3	14.3	56.2	25.4
North Carolina	99.2	46.5	97.2	35.9	93.8	47.8	90.2	27.7
North Dakota	89.2	25.7	92.1	25.9	88.3	14.9	91.2	23.1
Ohio	45.2	3.5	45.5	3.4	46.6	4.1	48.4	5.0
Oklahoma	82.5	^a 5.5	82.4	^a 4.8	71.8	3.9	74.8	5.3
Oregon	99.4	19.9	99.4	18.3	98.8	13.6	99.1	11.7
Pennsylvania	59.8	11.3	60.1	10.5	56.9	11.8	59.7	12.3
Rhode Island	62.7	100.0	57.1	100.0	53.3	6.5	69.9	5.2
South Carolina	99.8	82.6	98.0	80.3	97.1	86.1	96.1	84.6
South Dakota	84.6	44.8	85.2	48.2	81.2	37.0	83.4	40.9
Tennessee	91.9	24.7	95.3	26.0	88.8	34.7	94.2	32.1
Texas	83.6	19.2	83.7	19.1	77.3	23.7	82.2	38.7
Utah	88.6	94.5	87.1	93.2	82.9	9.5	86.9	6.7
Vermont	100.0	83.0	100.0	87.4	100.0	76.6	100.0	80.8
Virginia	69.1	17.1	74.2	22.7	67.5	12.1	73.2	14.3
Washington	93.9	31.4	94.5	34.0	89.4	24.0	91.3	22.5
West Virginia	70.2	1.8	57.3	2.4	51.8	10.8	55.6	6.8
Wisconsin	81.7	24.3	83.1	26.0	79.0	20.2	83.0	22.4
Wyoming	92.4	1.7	88.1	1.7	89.2	2.9	86.7	2.5
Total	68.4	^a 16.6	67.0	^a 16.0	66.2	17.4	67.6	21.3

^a Revised Data.

NA Not Available.

— Not Applicable.

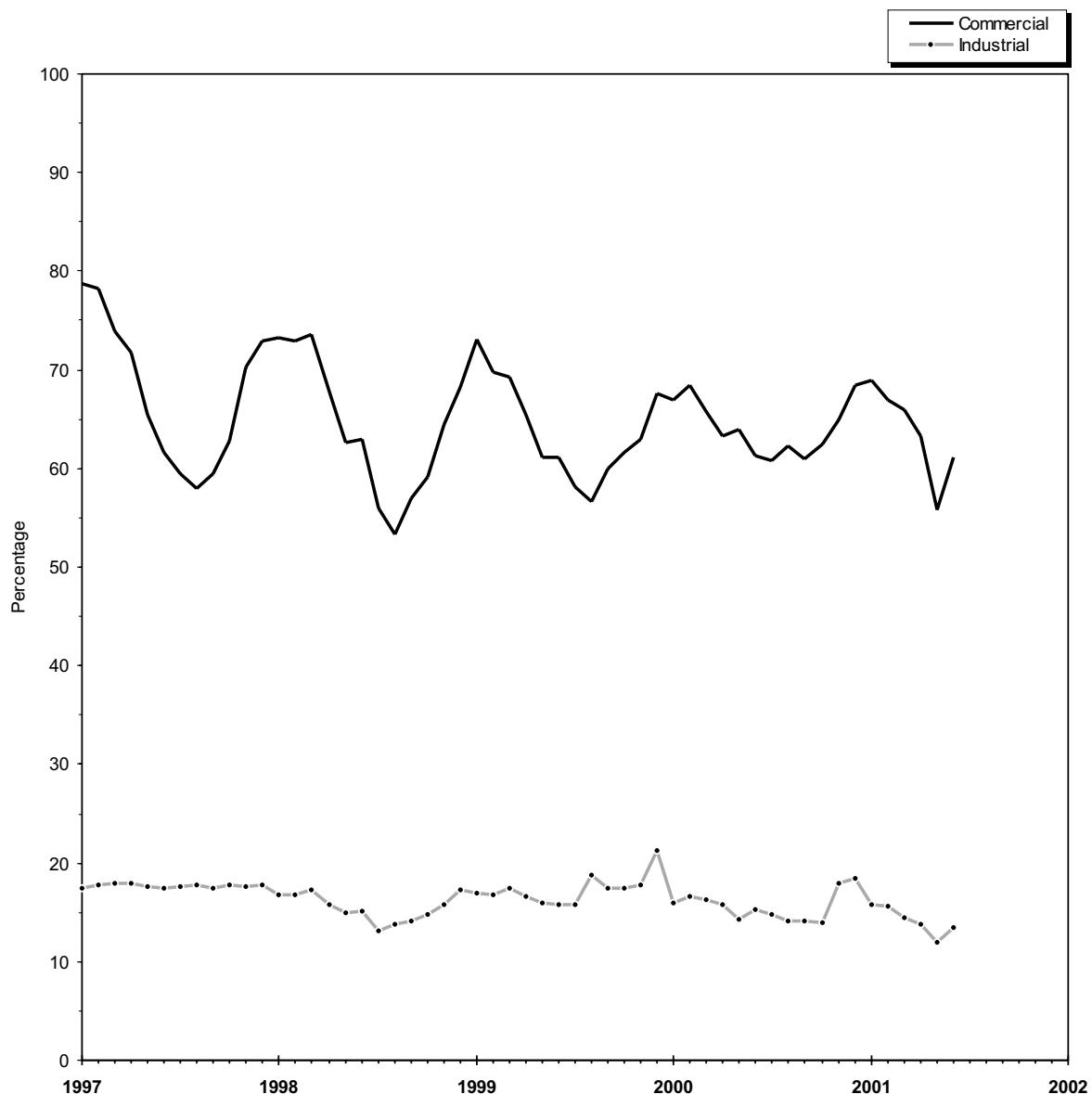
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form ELA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001



Sources: Energy Information Administration, Form EA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (*NGM*). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production — carbon dioxide, helium, hydrogen sulfide, and nitrogen — are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the

year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from

storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," which requires data to be reported each quarter by month for the calendar year.

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous

month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data

was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the *Natural Gas Monthly* is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate State-wide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement.

Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up

to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (McF), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the

Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon

gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base.

Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

EIA-191 Survey, "Monthly Underground Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent.

Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publications *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,468 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1999 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1999. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 386 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_{ij}}{2n} \quad (1)$$

where:

X_{ij} = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

X_i = the sum within State of annual gas volumes for company i,

$X_{..}$ = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width

I for selecting the companies systematically was calculated using:

A uniform random number R was selected between zero and $\left(I = \frac{X_2}{m} \right) I$. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Colorado: companies delivering more than four billion cubic feet of natural gas during 1979 and those delivering less than that amount.

Louisiana: companies delivering only to industrial consumers and other companies.

Texas: companies delivering only to industrial consumers; companies delivering to industrial and commercial consumers only; companies delivering to residential and commercial consumers only; and those delivering to all three sectors.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sam-

pled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

Y'_j = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector j ,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} + \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t ,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t ,

y_{jt-1} = gas volume in the previous month for companies in the State stratum that reported in month t .

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to

monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V^*_{jm} = V_{jm} + \left[(V_{ja} - V'_{jm}) \left(\frac{V_{jm}}{V'_{jm}} \right) \right] \quad (6)$$

where:

V^*_{jm} = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R^*_{jm} = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

R^*_{jm} = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h - 1)} \left(\sum_{i=1} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

where:

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, June 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	51	349	1,266	1,314	0.40	5.36	4.51
Alaska	0	0	0	0	—	—	—
Arizona	9	NA	78	NA	0.24	0.18	—
Arkansas	NA	NA	0	78	NA	NA	NA
California	90	30	1,527	1,530	0.04	0.08	0.11
Colorado	369	141	307	500	0.30	0.12	1.38
Connecticut	NA	NA	0	NA	NA	NA	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	204	236	109	330	1.85	0.25	8.10
Georgia	163	320	8,133	8,141	4.63	4.28	1.49
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	560	16,706	5,902	17,727	0.29	1.53	0.31
Indiana	NA	NA	6,723	NA	NA	NA	3.13
Iowa	15	28	146	149	0.70	0.38	2.08
Kansas	172	2,558	7,448	7,877	2.22	2.19	5.08
Kentucky	83	382	346	522	1.10	NA	2.15
Louisiana	0	0	3,593	3,593	—	—	0.01
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	3	23	37	44	0.01	0.06	0.48
Massachusetts	NA	0	0	NA	NA	—	—
Michigan	125	94	667	685	0.20	0.25	0.34
Minnesota	349	177	728	826	0.31	0.46	0.54
Mississippi	10	28	418	419	0.42	0.10	0.76
Missouri	79	64	698	706	0.23	0.15	1.53
Montana	3	2	0	3	0.04	0.04	—
Nebraska	34	20	101	108	0.27	0.04	0.60
Nevada	0	0	0	0	—	—	—
New Hampshire	NA	NA	NA	0	—	NA	NA
New Jersey	0	0	0	0	—	—	—
New Mexico	58	107	797	806	1.30	1.03	—
New York	577	4,333	3,539	5,624	0.06	0.26	0.67
North Carolina	25	20	300	301	0.06	0.05	0.31
North Dakota	0	0	0	0	—	—	—
Ohio	151	732	1,531	1,704	0.53	0.37	10.93
Oklahoma	131	1,592	273	1,620	0.25	1.43	8.88
Oregon	0	0	0	0	—	—	—
Pennsylvania	730	358	3,715	3,802	0.48	0.49	0.11
Rhode Island	0	0	0	0	—	NA	—
South Carolina	40	176	867	885	0.77	0.51	0.09
South Dakota	NA	0	0	NA	NA	—	—
Tennessee	292	NA	695	NA	1.24	NA	1.68
Texas	107	2,582	7,432	7,868	0.90	0.56	0.32
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	94	123	370	401	0.17	0.75	1.24
Washington	0	0	0	0	—	NA	—
West Virginia	268	396	470	671	2.37	0.24	2.30
Wisconsin	NA	NA	NA	NA	NA	NA	NA
Wyoming	7	26	48	55	0.24	0.32	1.92
Total	1,381	17,759	17,514	24,981	0.19	0.15	0.36

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth"</i>	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Impact of Interruptible Natural Gas Service on Northeast Heating Oil Demand</i>	January 2001
<i>Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season</i>	October 2000
<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>U.S. Natural Gas Imports and Exports 2000</i>	September 2001
<i>Natural Gas Winter Outlook 2000-2001</i>	October 2000
<i>U.S. Natural Gas Imports and Exports - 1999</i>	August 2000
<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000
<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1997</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margaret Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margaret Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Margaret Natof (202)586-6303
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Margaret Natof (202)586-6303
Producer Related Activities: Natural Gas Production	7,8	Monthly:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	Monthly: Monthly: Seasonal:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certified by FERC. Independent producer and intrastate

company reservoir capacities are reported as developed capacity.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.